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■ WASHINGTON      QUADRANGLE LOCATION

SITE LOCATION MAP

**BNRR SKYKOMISH, WASHINGTON**

3-1161-320

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0 E.F. 2/16/85 INITIAL ISSUE

SITE LOCATION MAP

BNRR SKYKOMISH, WASHINGTON



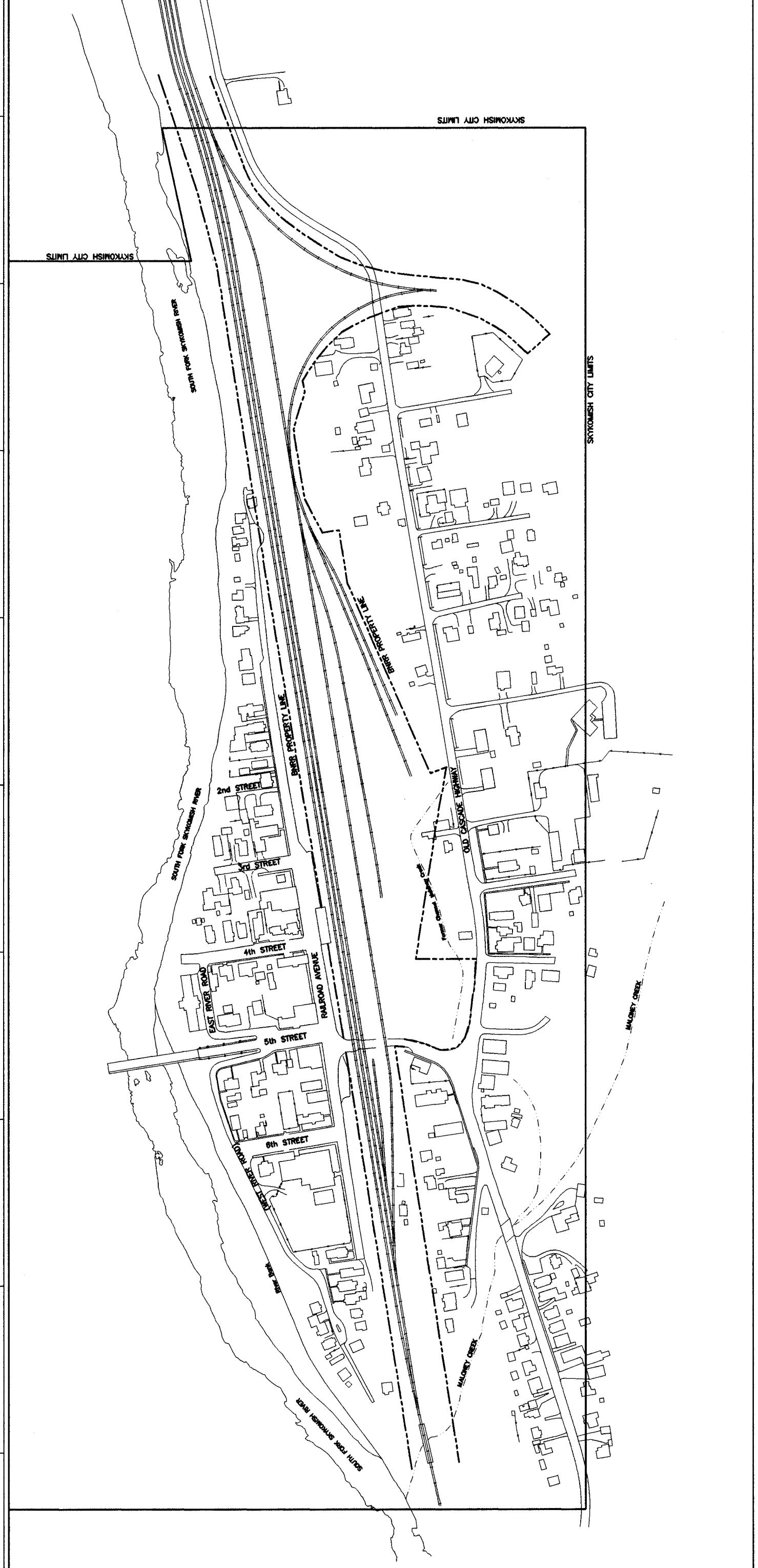
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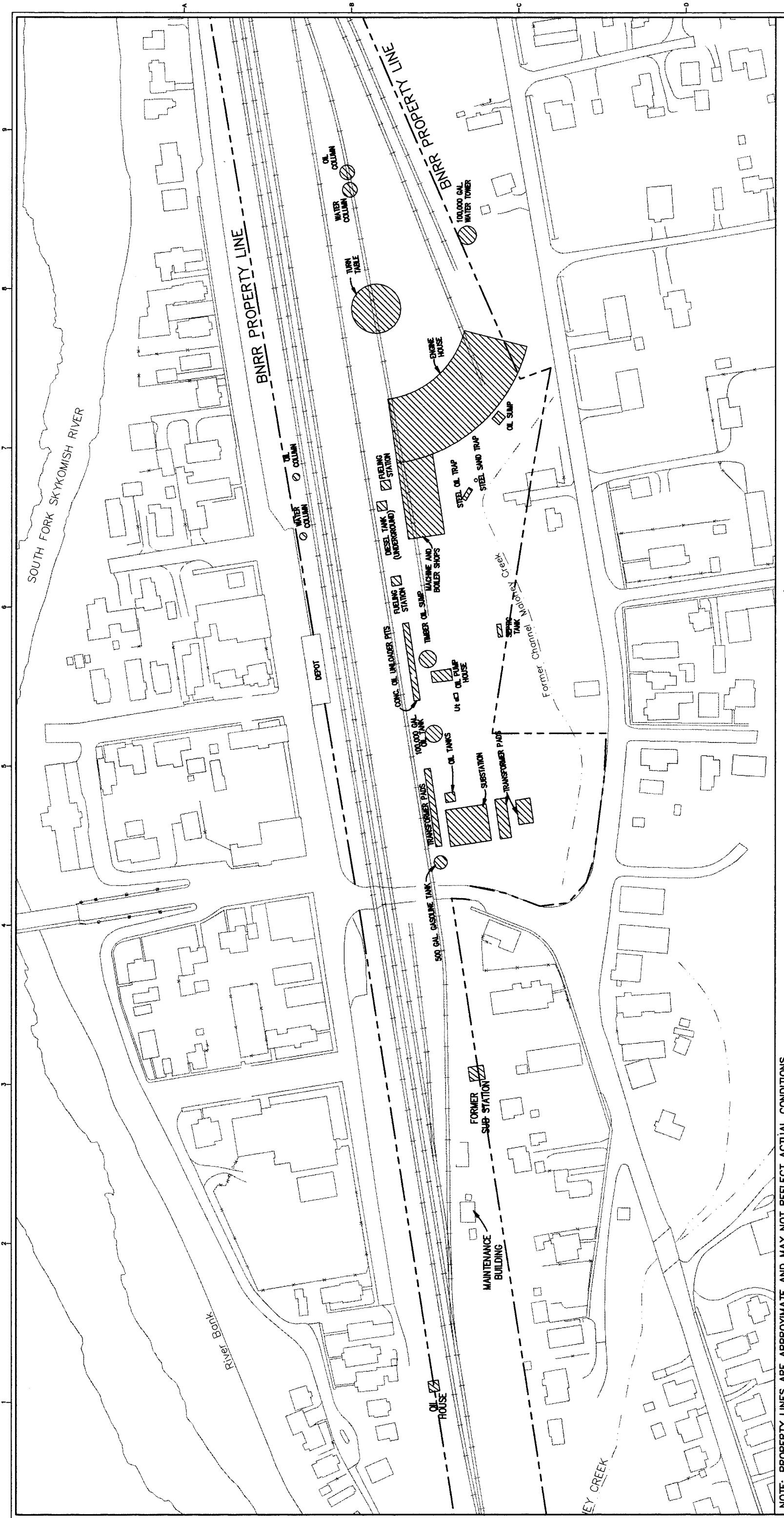
3-1161-350

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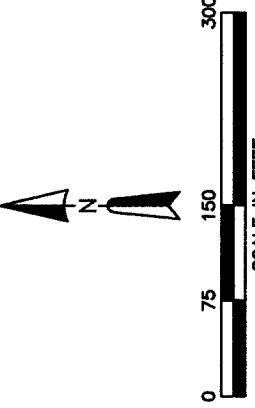
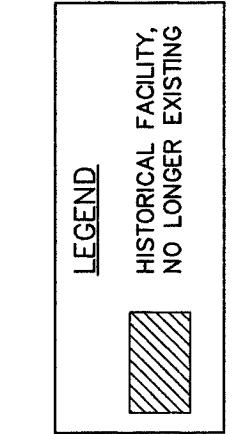
CAD FILE 1161S95

CURRENT DATE 2/15/95





**NOTE: PROPERTY LINES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL CONDITIONS.**



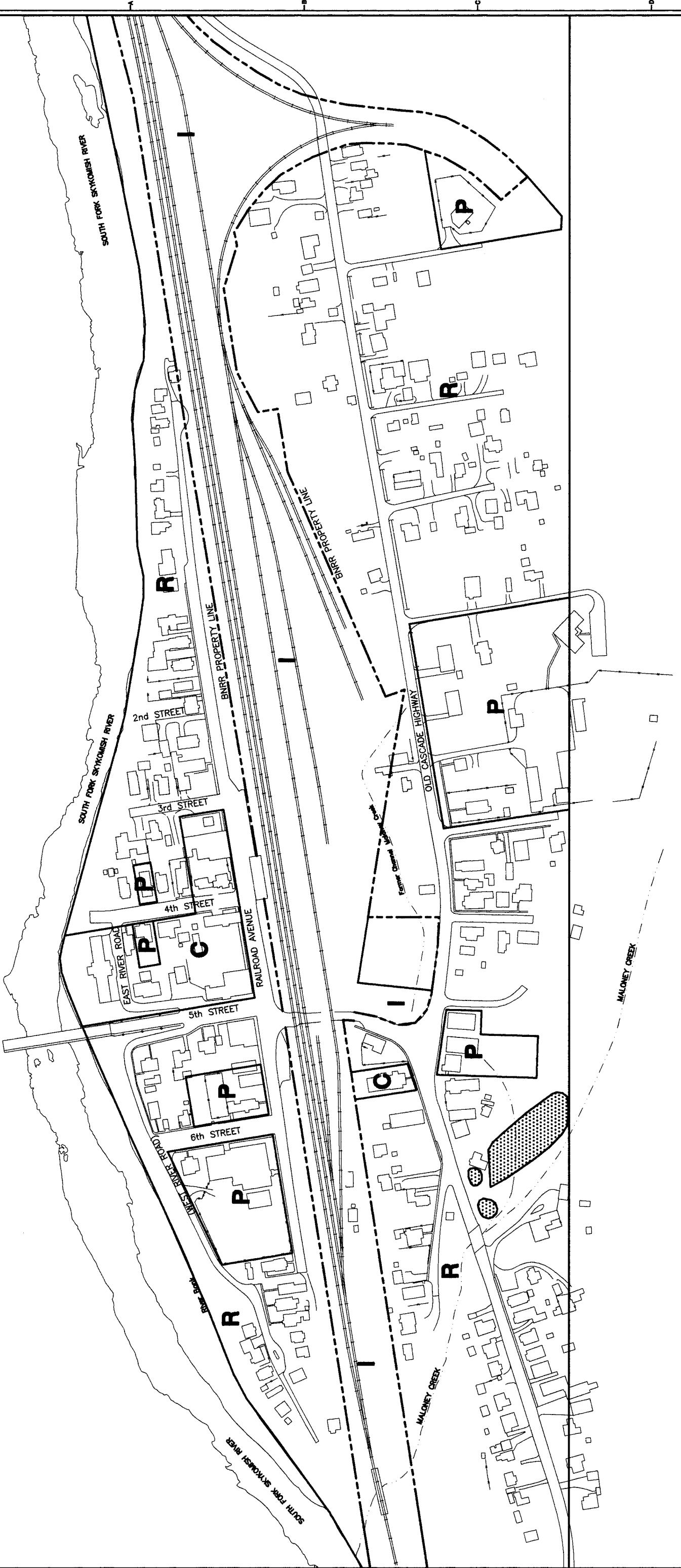
BNRR SKYKOMISH, WASHINGTON

**WOMISH,**

HISTORICAL  
FACILITIES MAP

**RENEWED  
TECHNOLOGIES INC.**  
DRAWING NO. **FIGURE 1-3**

BNRR SKYKOMISH, WASHINGTON	
<b>3-1161-350</b>	
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CURRENT DATE	2/10/95
CAD FILE #11615205	



LEGEND	
P	PUBLIC ZONING
C	COMMERCIAL ZONING
I	INDUSTRIAL ZONING
R	RESIDENTIAL ZONING
W	WETLANDS

BNRR SKYKOMISH, WASHINGTON

3-1161-350

The drawing is to scale in feet. All dimensions are horizontal distances measured along the property lines. It is not to be reproduced, copied or distributed without written consent of the copyright owner.

CAD FILE 116125AS



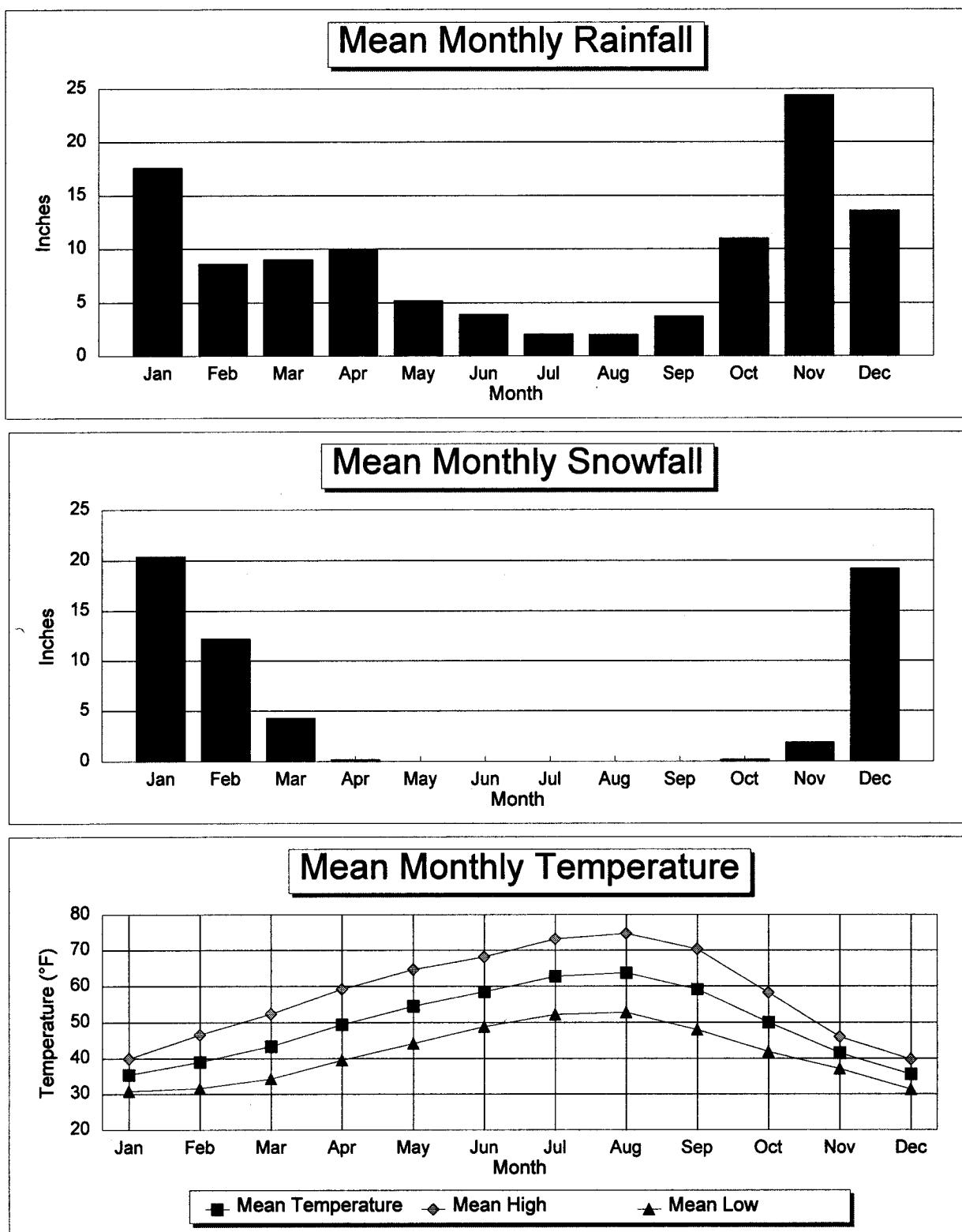
REIPEC  
TECHNOLOGIES INC.  
DRAFT

FIGURE 2-1-10

CURRENT LAND USE AND ZONING	
CHG#	DATE
1	2/23/95
0	2/2/95
NO DRAWN DATE	REVISION
REFERENCE Dwg. DESCRIPTION	

**FIGURE 2-2**  
**MONTHLY CLIMATE TRENDS**

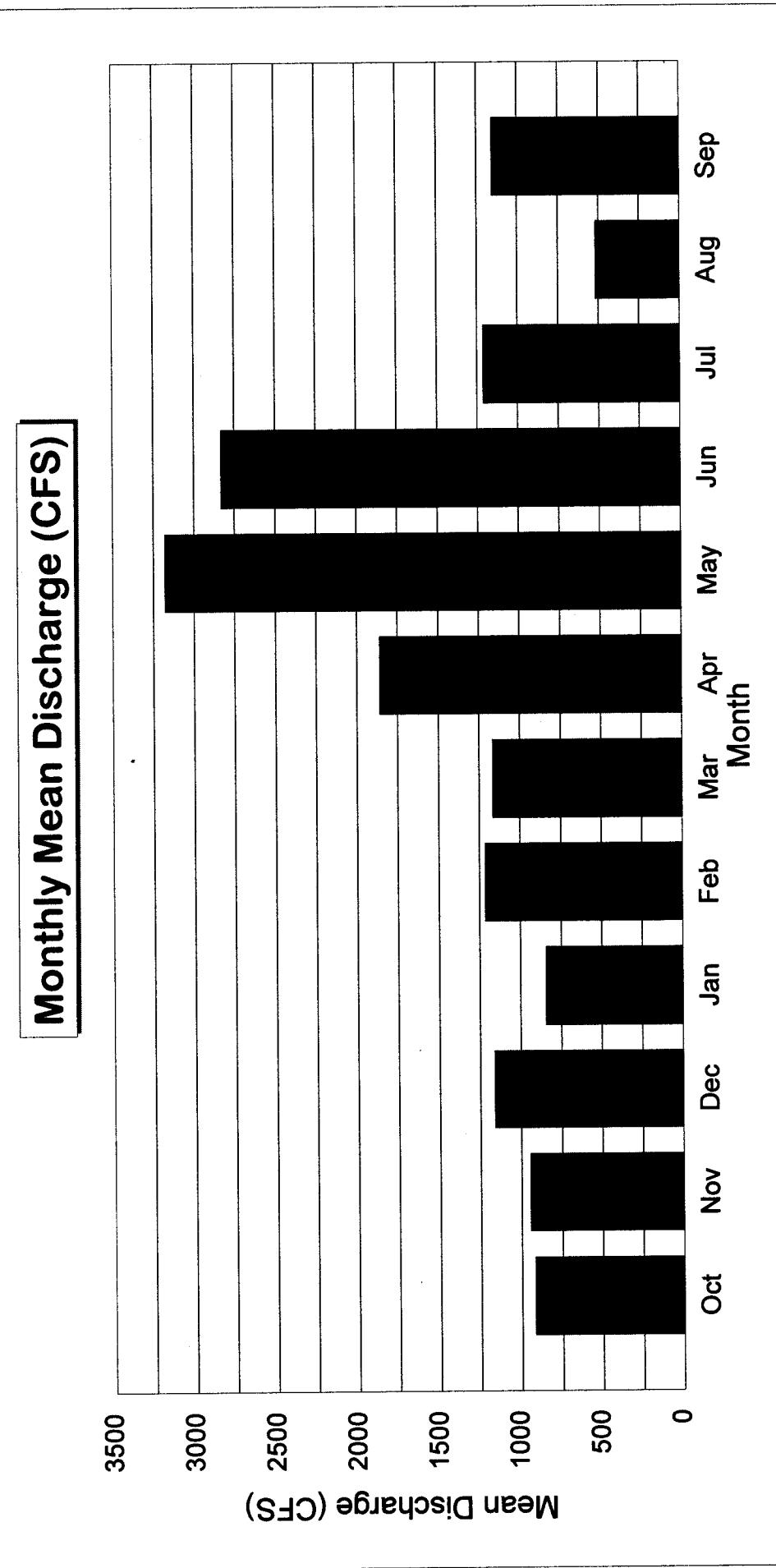
**REIEC**



Period: January 1988 to July 1993

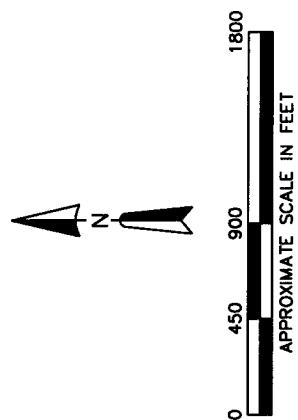
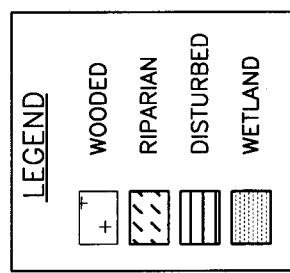
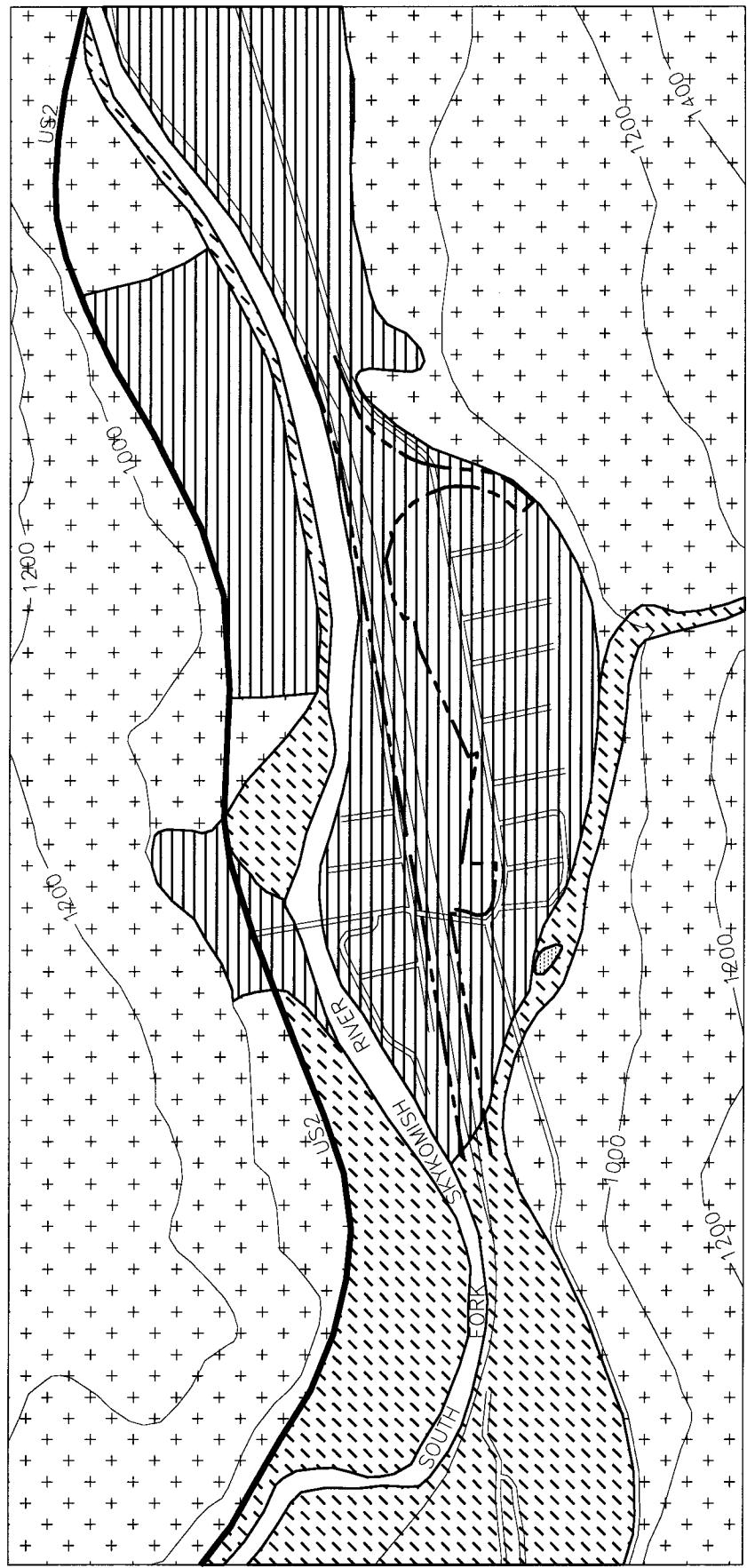
Source: Western Regional Climatic Center, Reno, Nevada

## FIGURE 2-3 SOUTH FORK OF THE SKYKOMISH RIVER



**NOTE:** Based on sum of discharges measured on Beckler River and on South Fork upgradient of Beckler River during 1930-1931 and 1947-1949.





**BNRR SKYKOMISH, WASHINGTON**

3-1161-350

SCALE: NONE

**RETEC**

REMEDIATION  
TECHNOLOGIES INC.  
DRAWING NO. 3-1161-350 REV. 0

**DISTRIBUTION OF GENERAL  
VEGETATION ZONES**

REF. DWG.	DESC.	W.B.	2/14/95	APPROV. DATE	CAD FILE	1161S755
0	E.F.	INITIAL ISSUE				
0	NO. DRWN.	DATE	REVISION			

3-1161-350

SCALE: NONE

**RETEC**

REMEDIATION  
TECHNOLOGIES INC.  
DRAWING NO. 3-1161-350 REV. 0

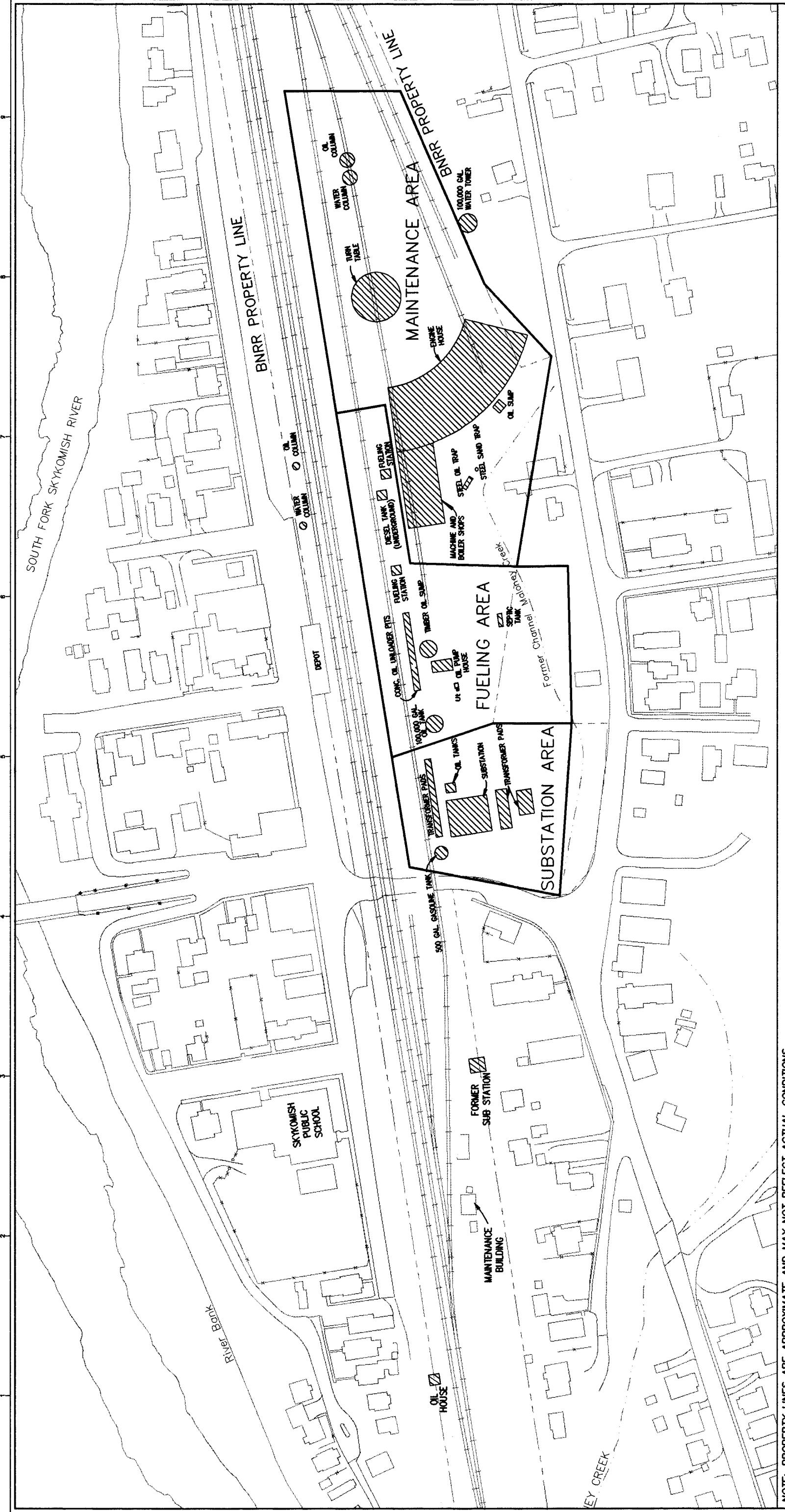
**DISTRIBUTION OF GENERAL  
VEGETATION ZONES**

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0	E.F.	INITIAL ISSUE				
0	NO. DRWN.	DATE	REVISION			

3-1161-350

**RETEC**

REMEDIATION  
TECHNOLOGIES INC.  
DRAWING NO. 3-1161-350 REV. 0



**NOTE: PROPERTY LINES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL CONDITIONS.**



## **BNRR SKYKOMISH, WASHINGTON**

3-1161-350

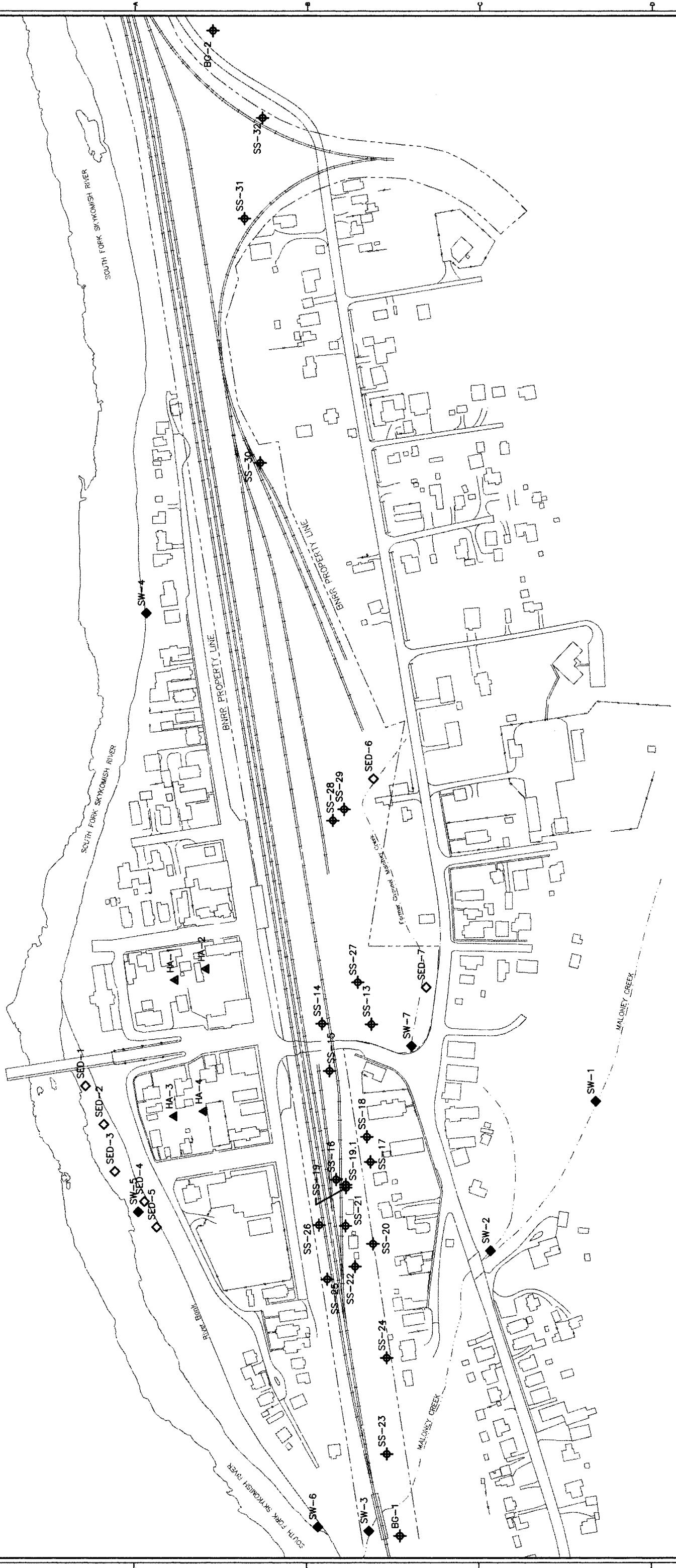
CAB FILE 111

## **LOCATION OF SOURCE AREAS**

**RETEC**  
RENEWABLE ENERGY  
TECHNOLOGIES INC.  
DRAWING NO. **3-1**

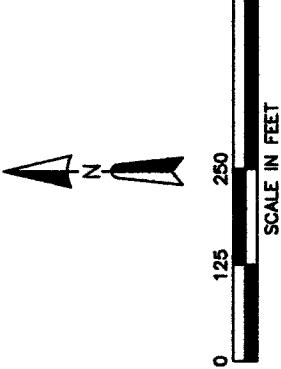
**REFERENCE DWG**





LEGEND

- HA-1 HAND AUGER SAMPLE LOCATION  
 BG-1 SURFACE SOIL SAMPLE LOCATION  
 SS-23 SEDIMENT SAMPLE LOCATION  
 SW-5 SURFACE WATER SAMPLE LOCATION  
 SW-6 SURFACE WATER SAMPLE LOCATION



**BNBB SKYKOMISH, WASHINGTON**

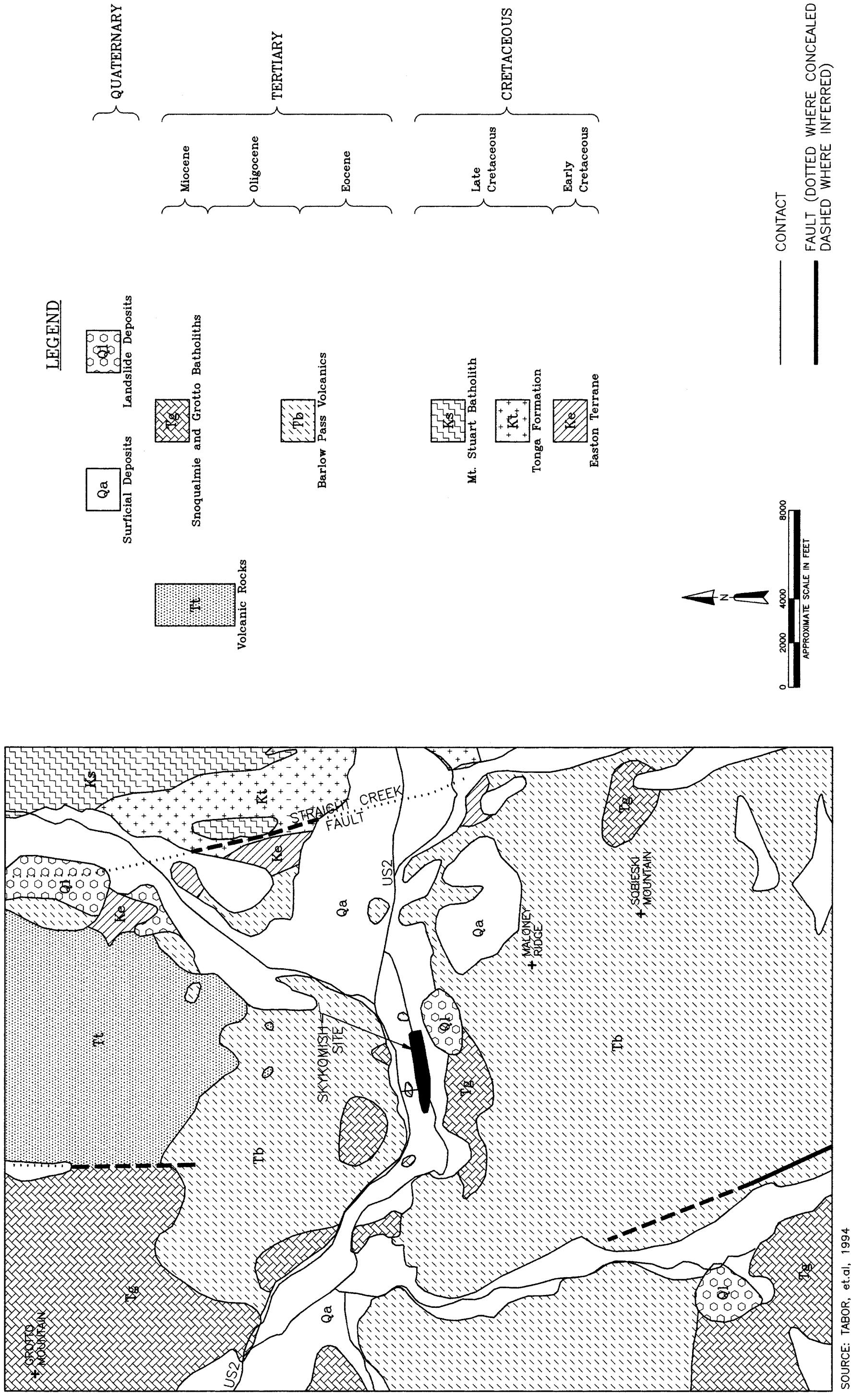
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**3-1161-350**

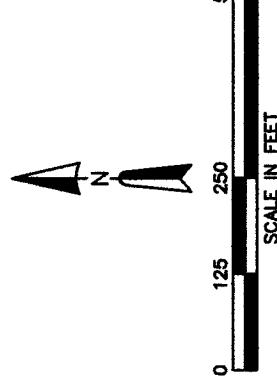
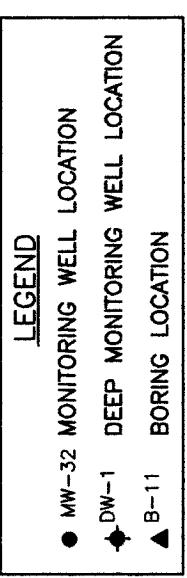
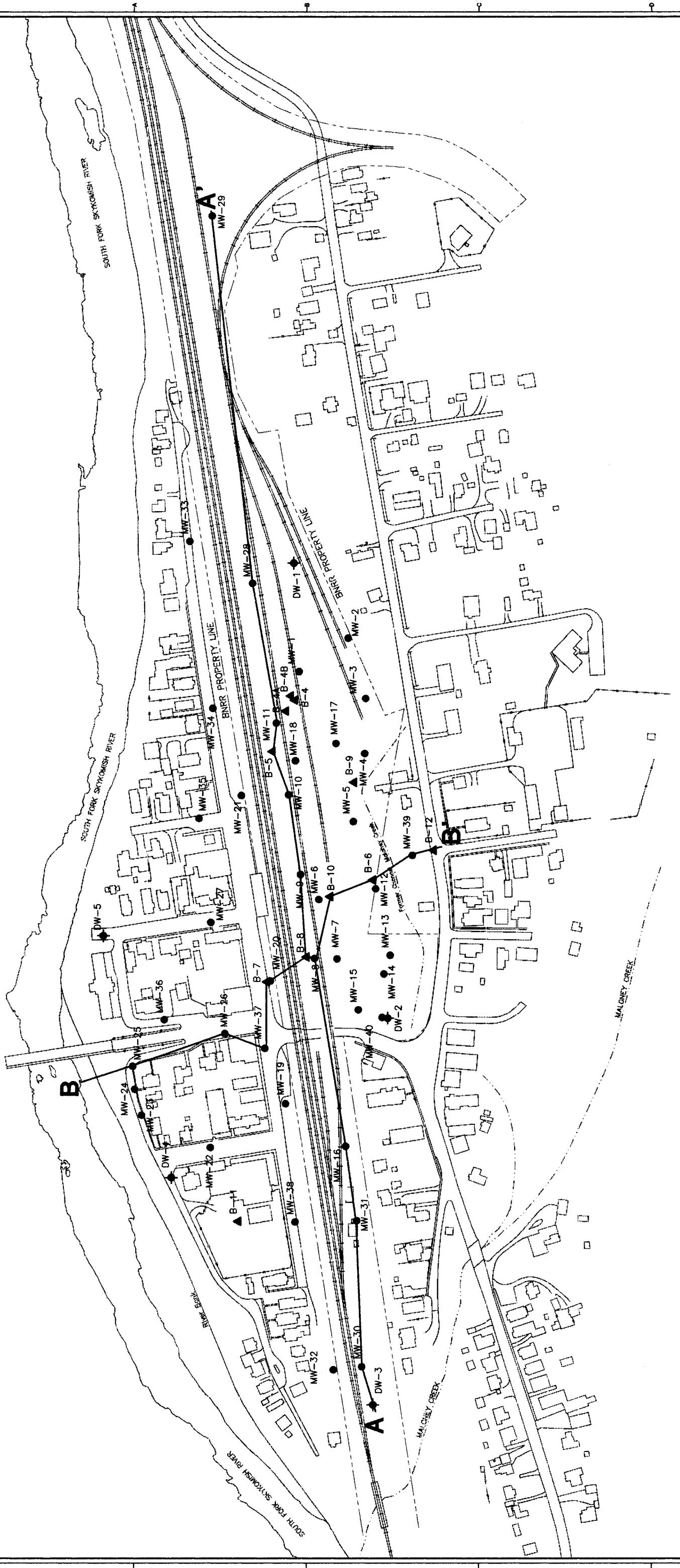
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EMME D'AI'S INC  
TECHNOLOGIES INC  
P.O. BOX 1000  
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A large, bold, black letter 'R' is positioned at the top of the page, spanning most of the width of the page area.



SOURCE: TABOR, et.al., 1994



0 125 250 500

CROSS SECTION  
LOCATION MAP

BNRR SKYKOMISH, WASHINGTON



REFERENCE DNG	DESCRIPTION	CHND	DATE	APPROD DATE
1	O E.F. 2/15/95 INITIAL ISSUE	1	2/15/95	
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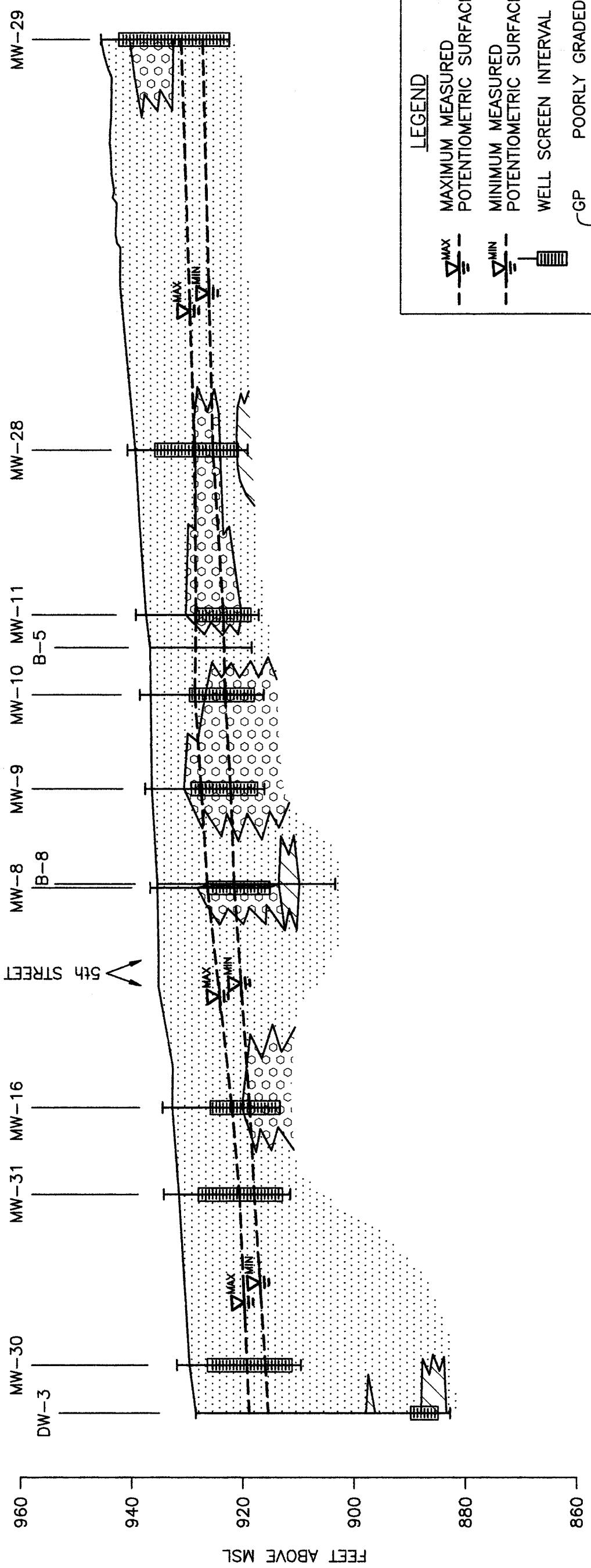
**REDI**  
TECHNOLOGIES INC.  
REV 0

FIGURE 5-2 0

**A**

**A'**

CROSS-SECTION  
B-B'



LEGEND

$\overline{\nabla}^{\text{MAX}}$	MAXIMUM MEASURED POTENTIOMETRIC SURFACE
$\overline{\nabla}^{\text{MIN}}$	MINIMUM MEASURED POTENTIOMETRIC SURFACE
WELL SCREEN INTERVAL	
GP	POORLY GRADED GRAVEL
GM	SILTY GRAVEL
GW	WELL GRADED GRAVEL
SW	WELL GRADED SAND
SP	POORLY GRADED SAND
SM	SILTY SAND
CL	CLAY, SILTY CLAY,
ML	CLAYEY SILT, SANDY SILT

APPROXIMATE HORIZONTAL SCALE IN FEET  
VERTICAL EXAGGERATION= 12.5X

CAD FILE 11615003

CLIPMENT DATE 2/15/05

FIGURE 5-3

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BNRR SKYKOMISH, WASHINGTON

5-1161-350

FIGURE

5-3

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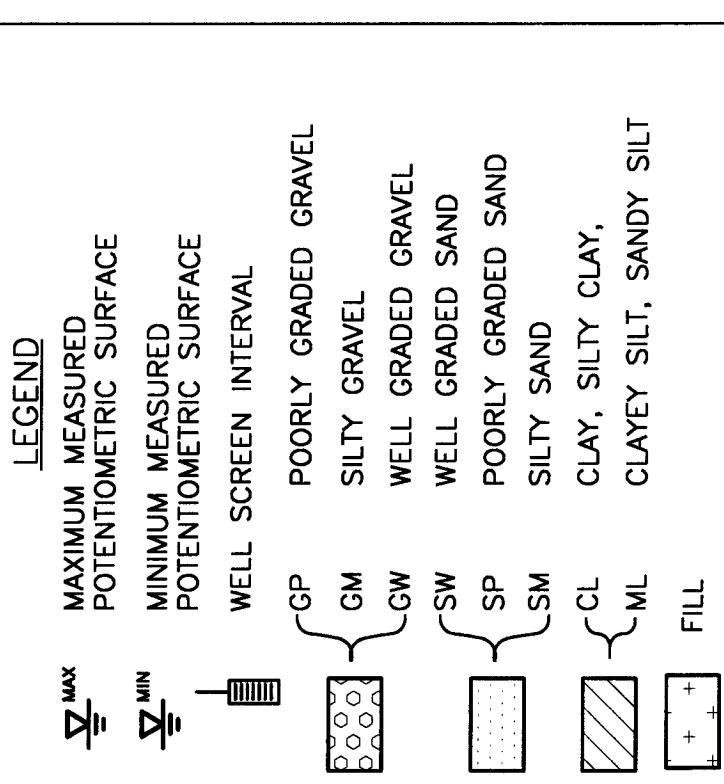
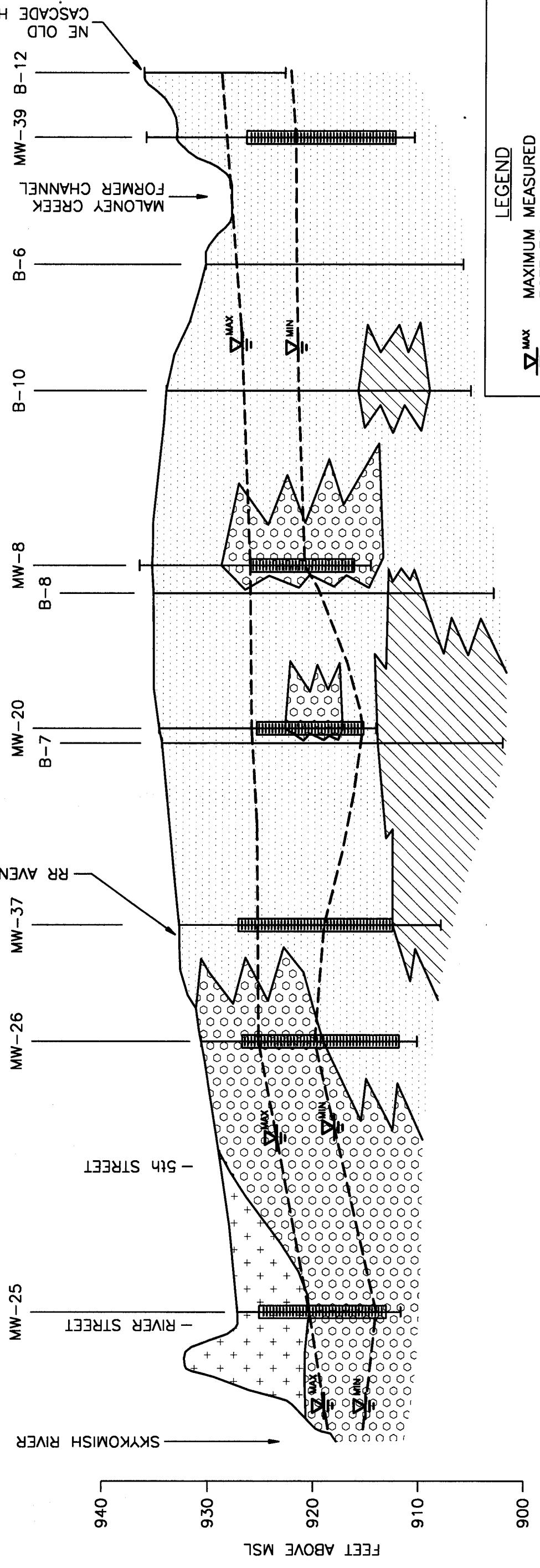
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SE

**B'**CROSS-SECTION  
A-A'

HYDROSTRATIGRAPHIC  
CROSS-SECTION B-B'

BNR SKYKOMISH, WASHINGTON

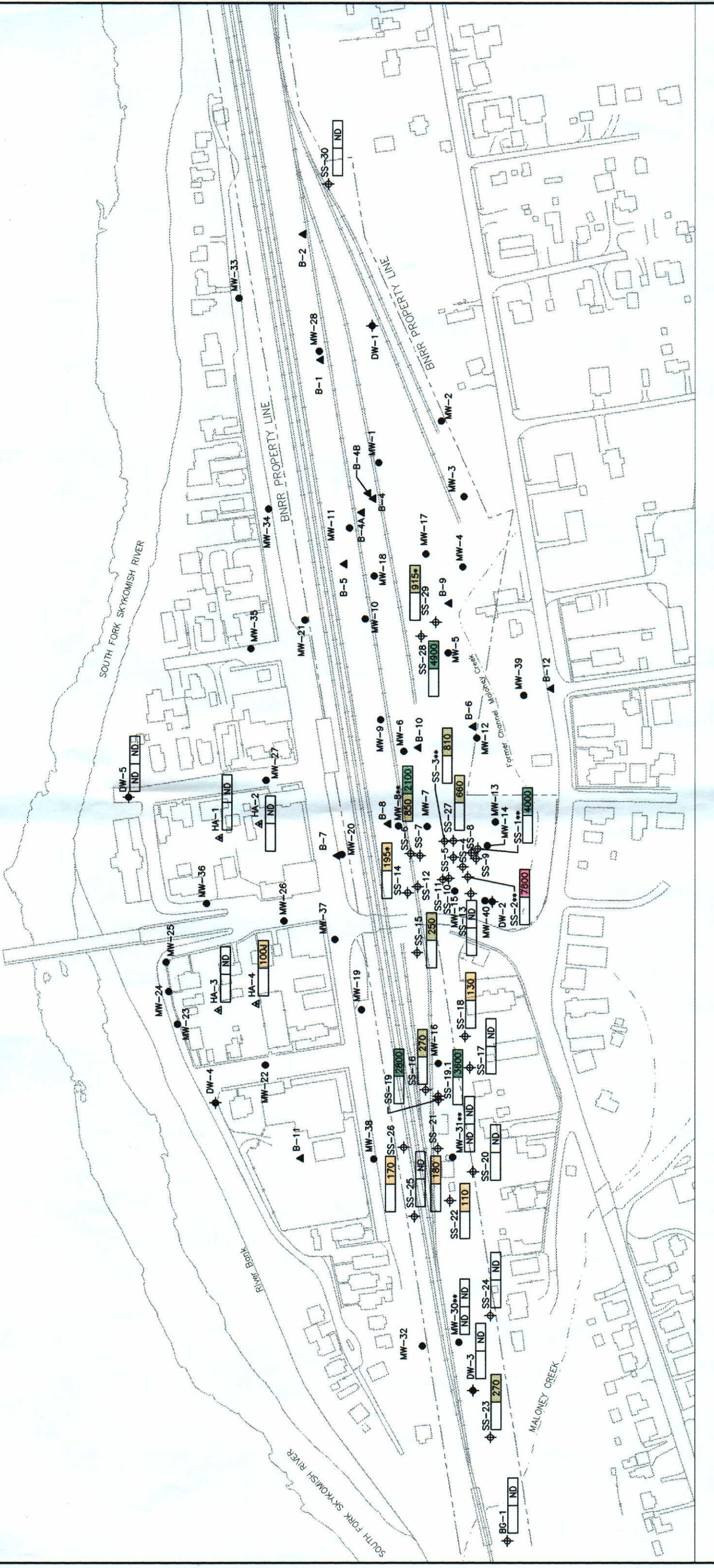
3-1161-350



RELIATECH	
TECHNICAL LOGISTICS INC.	
DESIGN & CONSTRUCTION	
REF ID:	FIGURE 5-4-10
DATE ISSUED:	2/15/95
REVISION:	INITIAL ISSUE
NO DRAWN:	0
DATE:	2/15/95
APPROVED DATE:	
REVISION DESCRIPTION:	

NOTE: THE MINIMUM MEASURED POTENTIOMETRIC SURFACE WAS APPROXIMATED BASED ON WATER LEVEL DATA FROM ADJACENT WELLS.

APPROXIMATE HORIZONTAL SCALE IN FEET  
VERTICAL EXAGGERATION= 10X



NOTES:

1. \* INDICATES THE AVERAGE CONCENTRATION OF DUPLICATE SAMPLE.
2. \*\* INDICATES PRE-RI DATA (THE METHOD USED DURING THE PRE-RI INVESTIGATIONS MAY PROVIDE LOWER VALUES THAN CURRENT METHODS)

LEGEND

**LEGEND**

- MW-32 MONITORING WELL LOCATION
- 24-140 WTPH-D / WTPH-418.1 CONCENTRATIONS

<u>CONCENTRATIONS</u>	>ND–200 mg/kg	201–1,000 mg/kg	1,001–5,000 mg/kg	>5,000 mg/kg	NOT DETECTED	INDICATES ESTIMATED
					D	

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BNRR SKYKOMISH, WASHINGTON

KOMISH, W.

3-1161-350

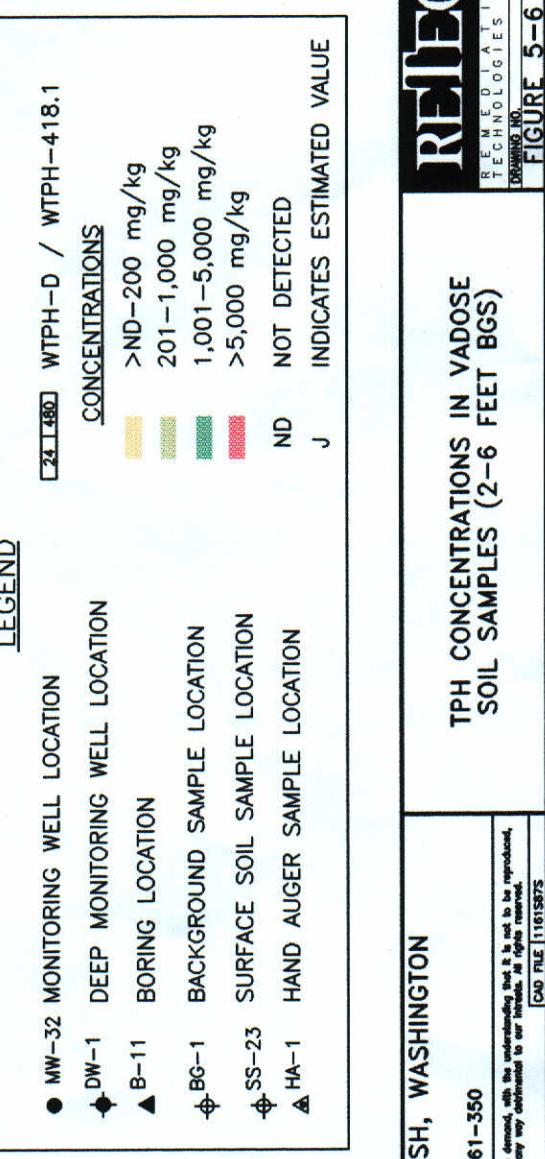
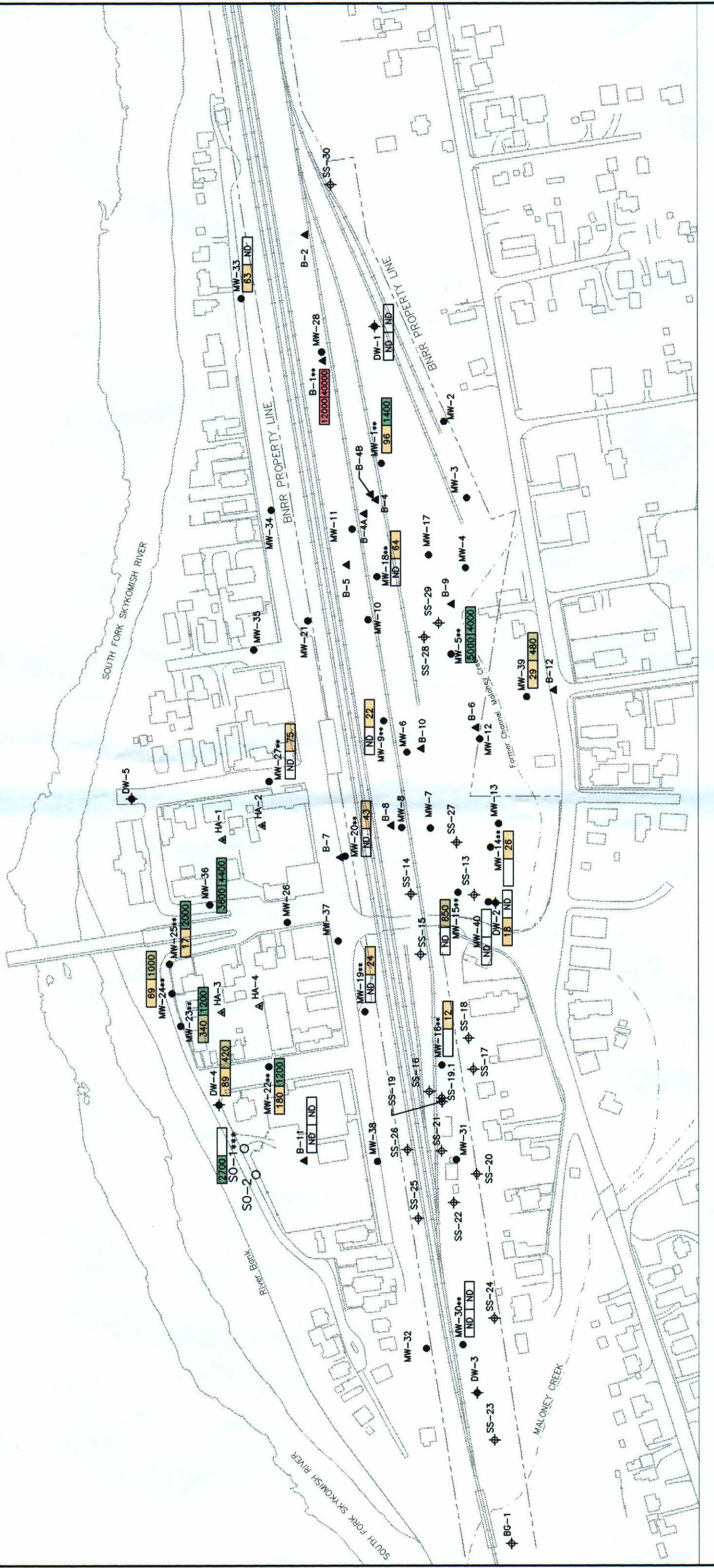
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100

ANSWER

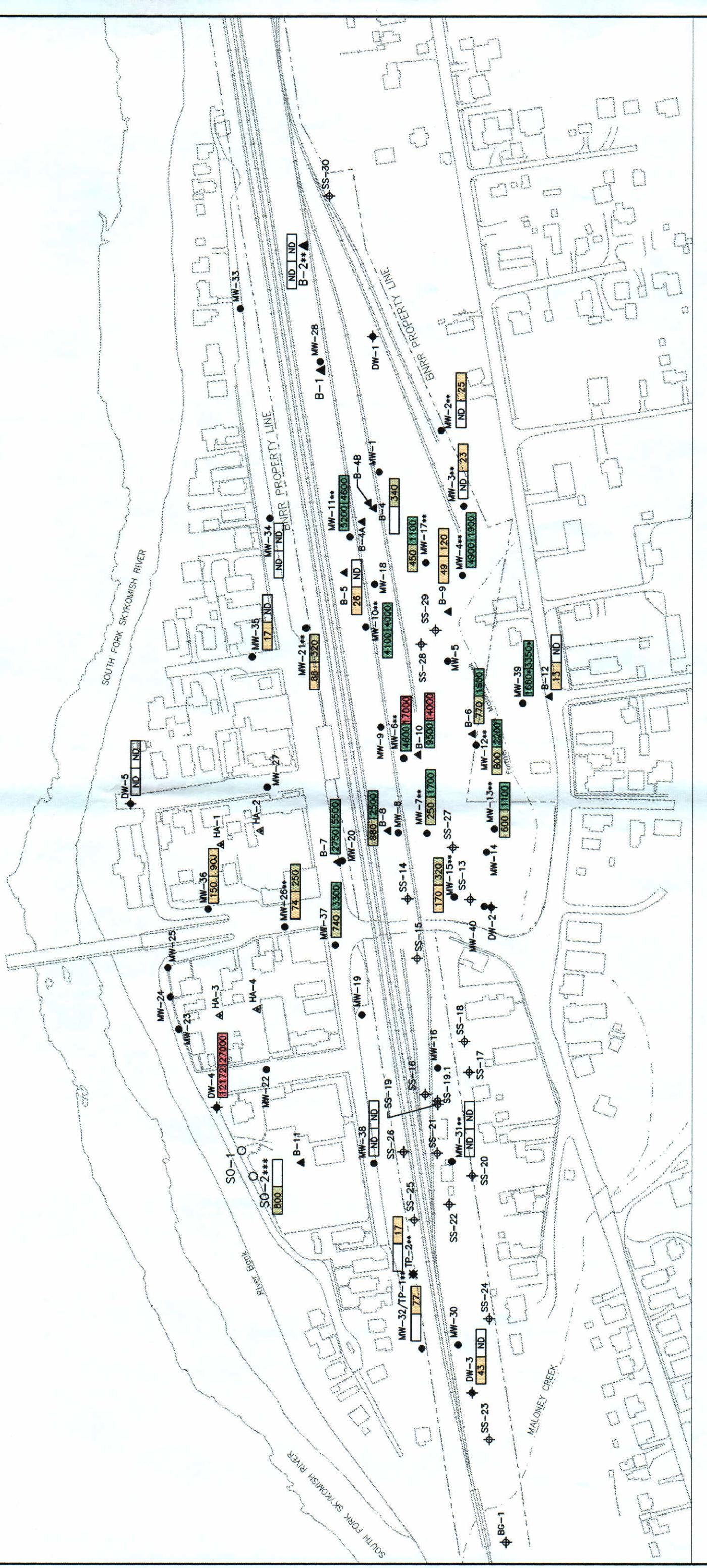


**TPH CONCENTRATIONS IN VADOSE SOIL SAMPLES (2-6 FEET BGS)**

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CAD FILE: 11615975  
CURRENT DATE: 2/24/95

TPH CONCENTRATIONS IN VADOSE SOIL SAMPLES (2-6 FEET BGS)	
3-1161-350	BNRR SKYKOMISH, WASHINGTON
0 E.F. 2/24/95 INITIAL ISSUE	CHD DATE APPROX DATE
0 NO DRILL DATE	REFERENCE DRILL DESCRIPTION



RHE

RENFOLD LABORATORIES  
TECHNOLOGIES  
DRAWING NO.  
FIGURE 5-7

**LEGEND**

- MW-32 MONITORING WELL LOCATION
- DW-1 DEEP MONITORING WELL LOCATION
- B-11 BORING LOCATION
- BG-1 BACKGROUND SAMPLE LOCATION
- SS-23 SURFACE SOIL SAMPLE LOCATION
- HA-1 HAND AUGER SAMPLE LOCATION
- TP-2 TEST PIT LOCATION

**NOTES:**

- \* INDICATES THE AVERAGE CONCENTRATION OF DUPLICATE SAMPLE.
- \*\* INDICATES PRE-RI DATA (THE METHOD USED DURING THE PRE-RI INVESTIGATIONS MAY PROVIDE LOWER VALUES THAN CURRENT METHODS)
- \*\*\* INDICATES INTERIM ACTION DATA ANALYTICAL METHOD WAS WTPH-D EXTENDED.

**SCALE IN FEET**

**BNRR SKYKOMISH, WASHINGTON**

**TYPICAL CONCENTRATIONS IN AQUIFER SOIL SAMPLES (6-17 FEET BGS)**

CHND	DATE	APPRO DATE
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1	2	
2	3	
3	4	
4	5	
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6		

**3-1161-350**

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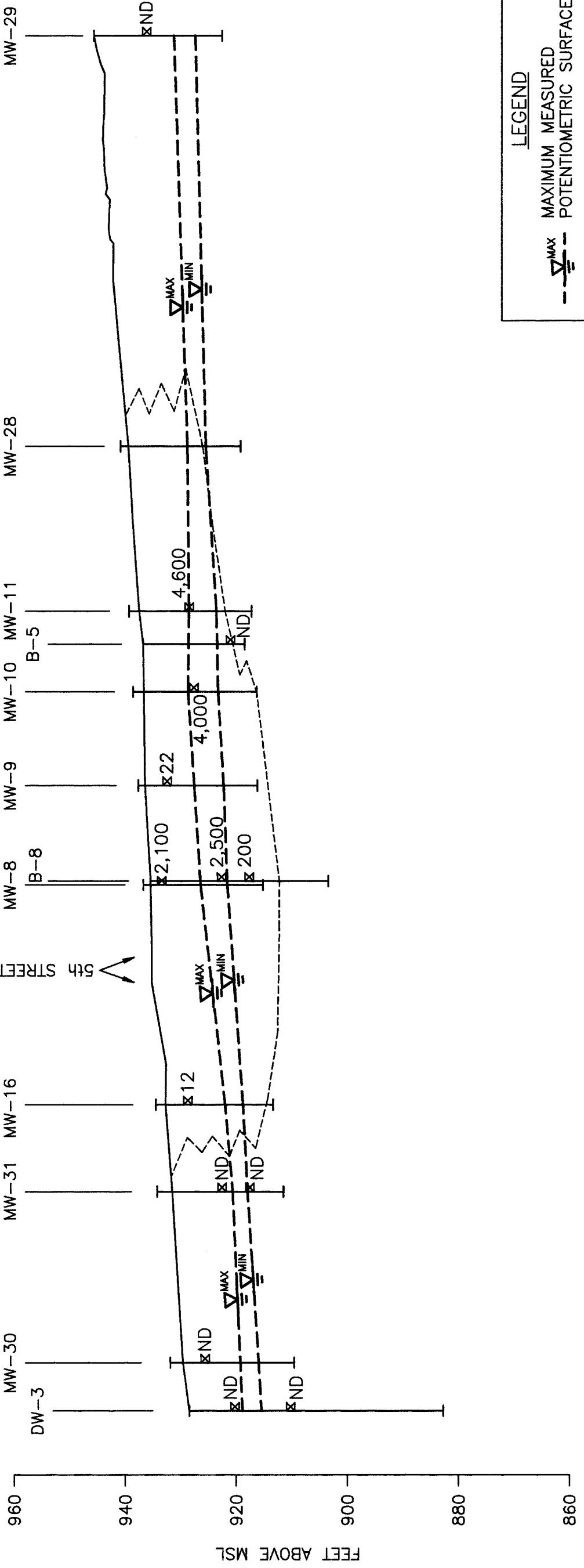
CURRENT DATE: 2/10/96

CAD FILE: 1161350

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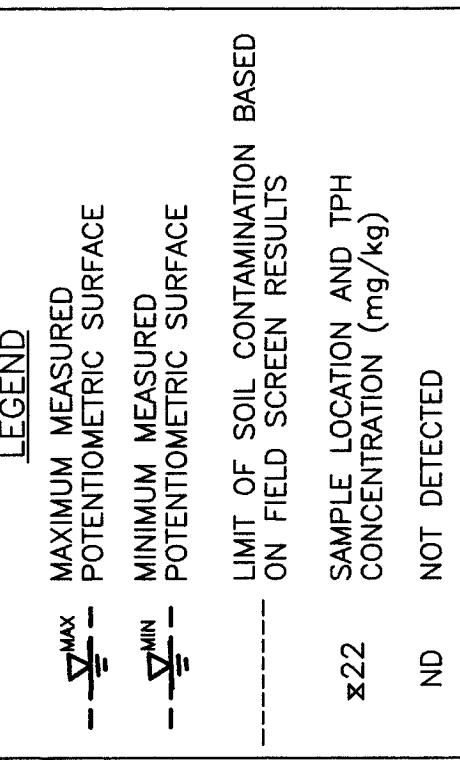
W

A

E  
A'CROSS-SECTION  
B-B'

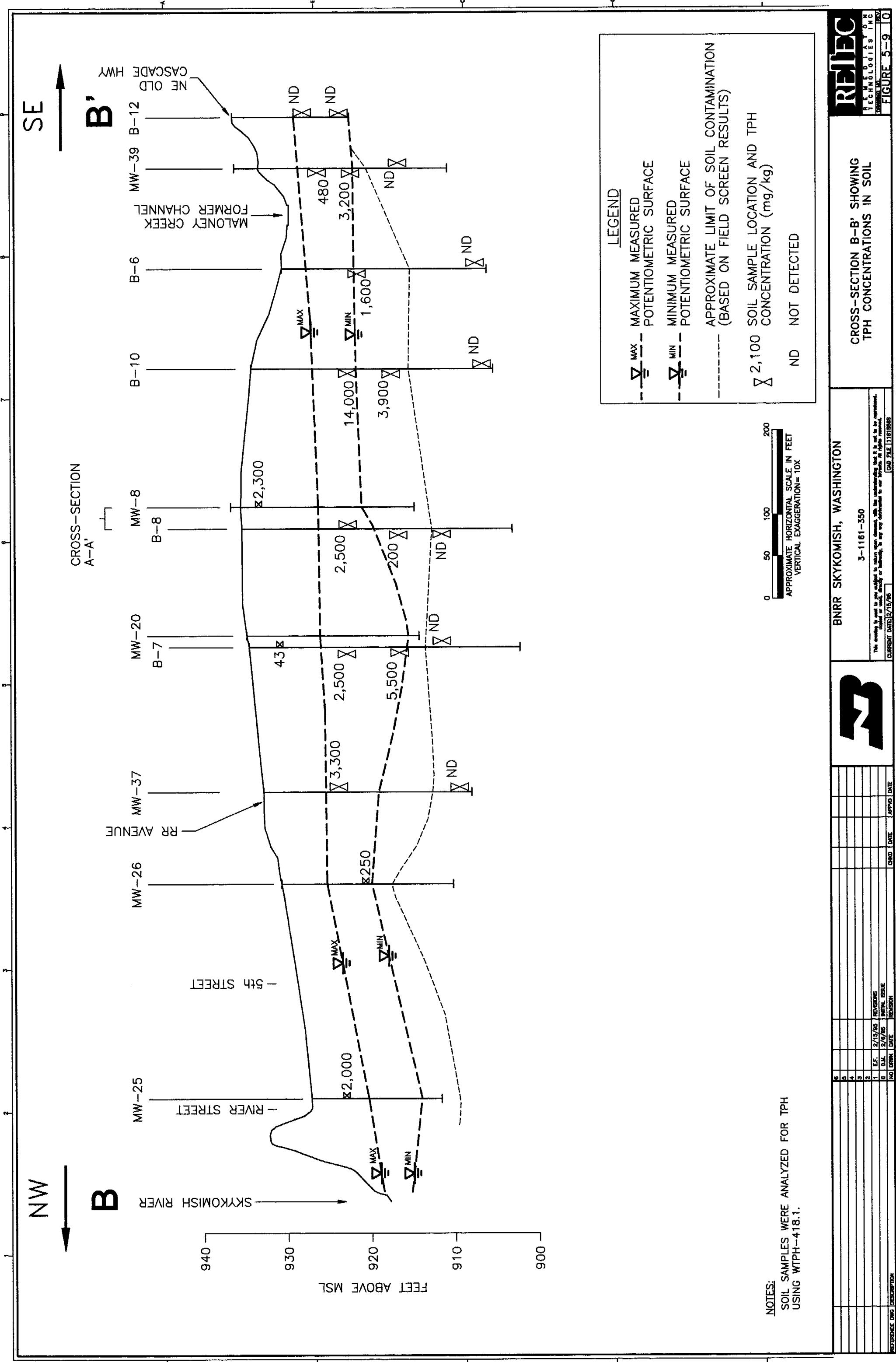
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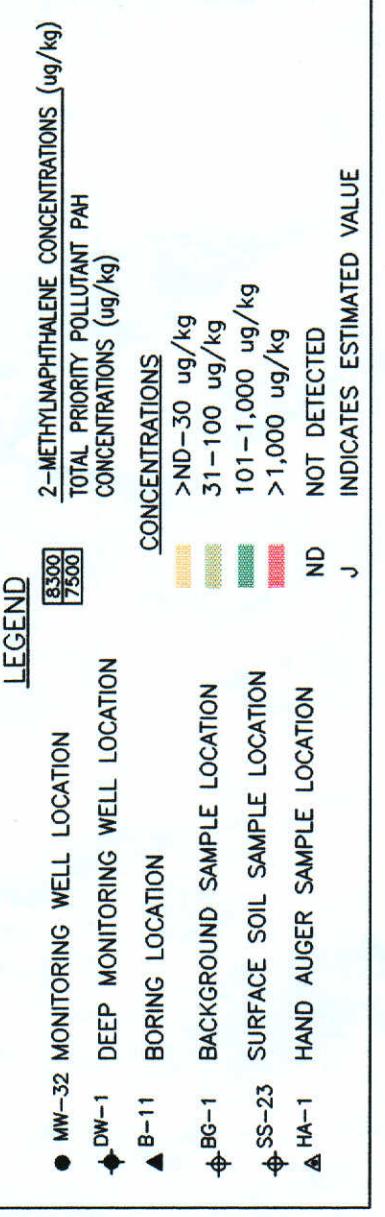
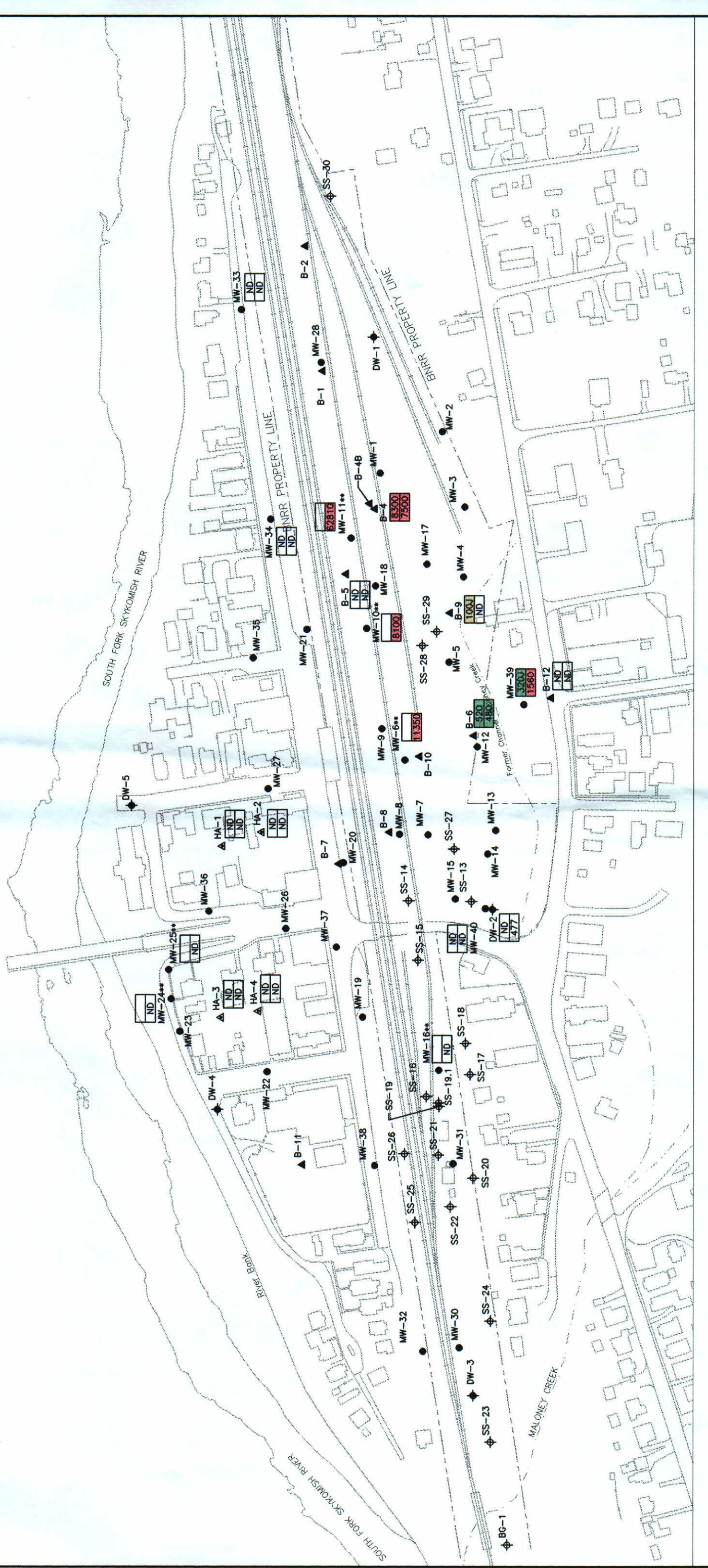
1. SOIL SAMPLES WERE COLLECTED FROM MW-28 BUT NOT SUBMITTED FOR ANALYSIS.
2. SOIL SAMPLES WERE ANALYZED FOR TPH USING WTPH 418.1.



APPROXIMATE HORIZONTAL SCALE IN FEET  
VERTICAL EXAGGERATION = 12.5X

REFERENCE DRILL DESCRIPTION		BNRR SKYKOMISH, WASHINGTON		CROSS-SECTION A-A' SHOWING TPH CONCENTRATIONS IN SOIL	
0	E.F.	2/15/85	INITIAL ISSUE	CHD	DATE
No.	DRILL DATE	REVISION	CHD	DATE	APPROVED DATE
1	1	1	1	1	1
2	2	2	2	2	2
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4	4	4	4	4	4
5	5	5	5	5	5





**RETEC**

REMEDIAL TECHNOLOGIES INC.

DRAWING NO. REV. FIGURE 5-10 0

**TOTAL PAH AND 2-METHYLNAPHTHALENE CONCENTRATIONS IN SOIL SAMPLES (0-14 FEET BGS)**

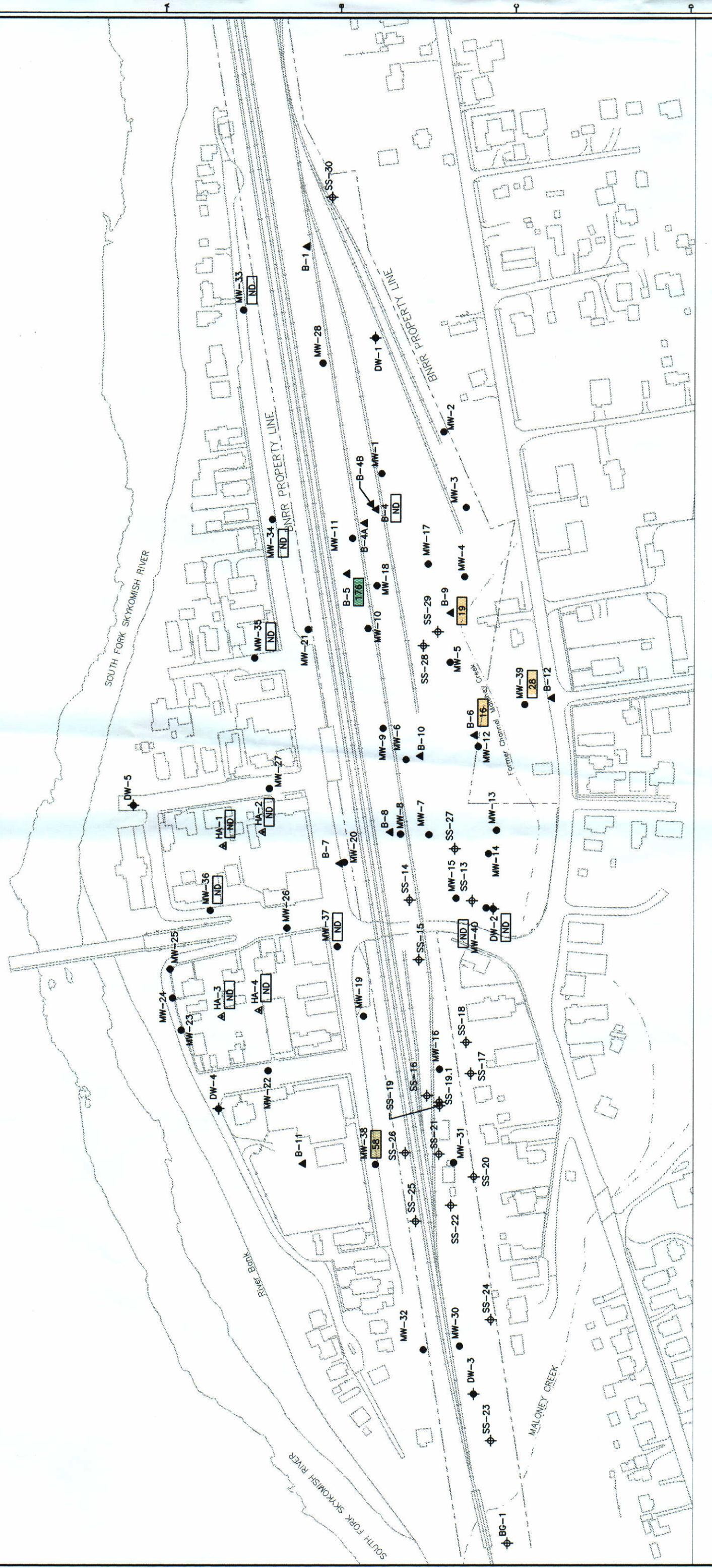
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3-1161-350

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CD FILE #116157AS CURRENT DATE 2/15/95

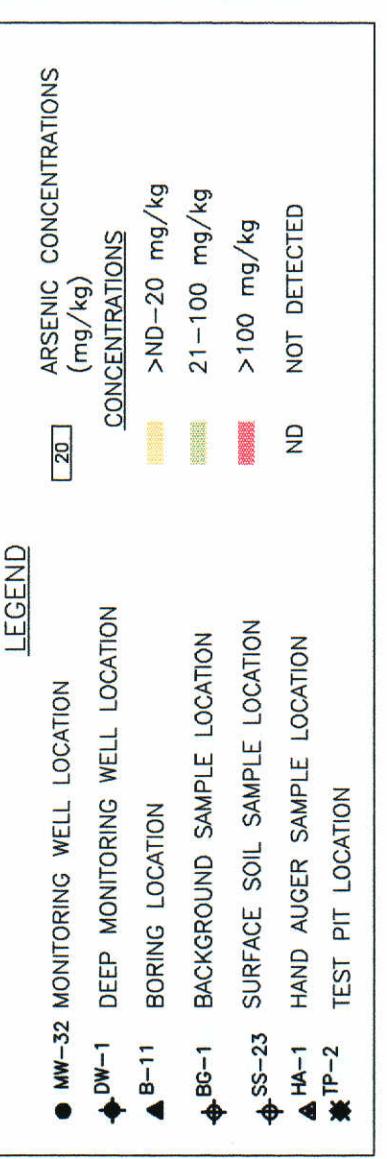
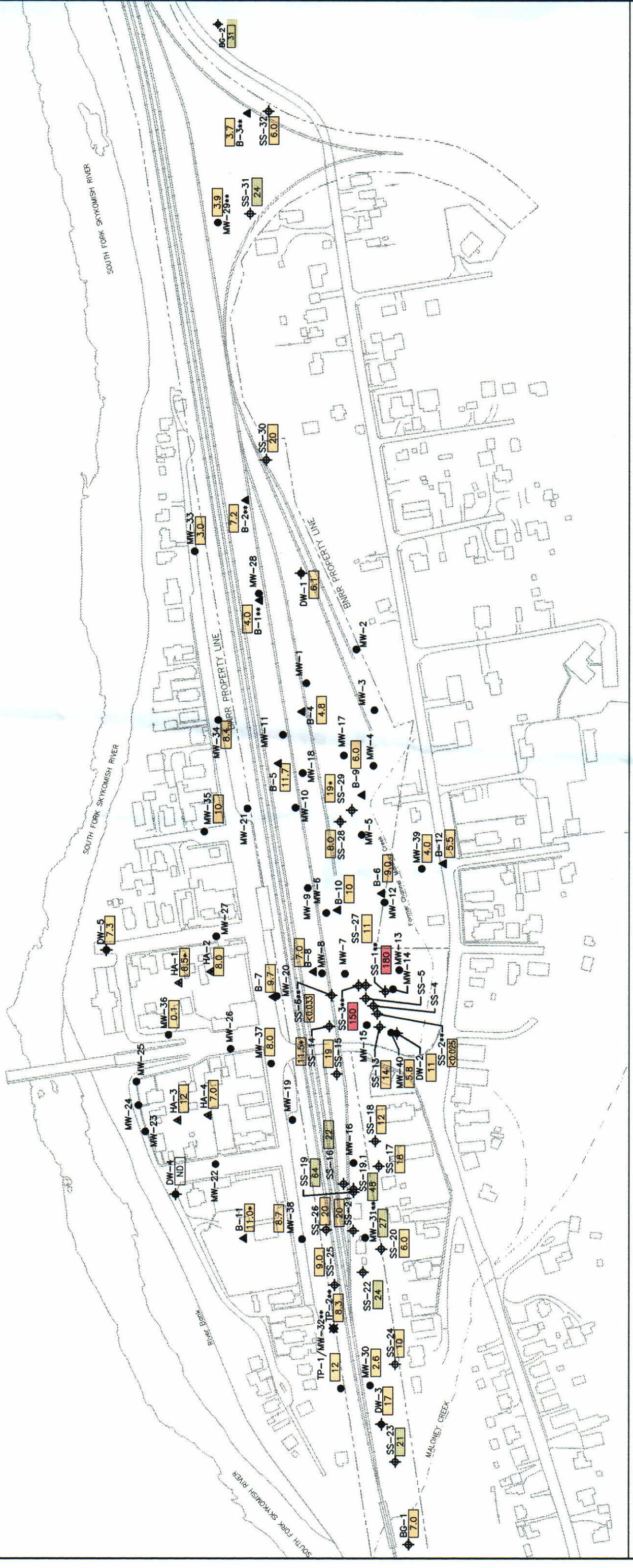
CHD	DATE	APP'D DATE
NO	DRWN DATE	REVISION
REFERENCE DRNG	DESCRIPTION	

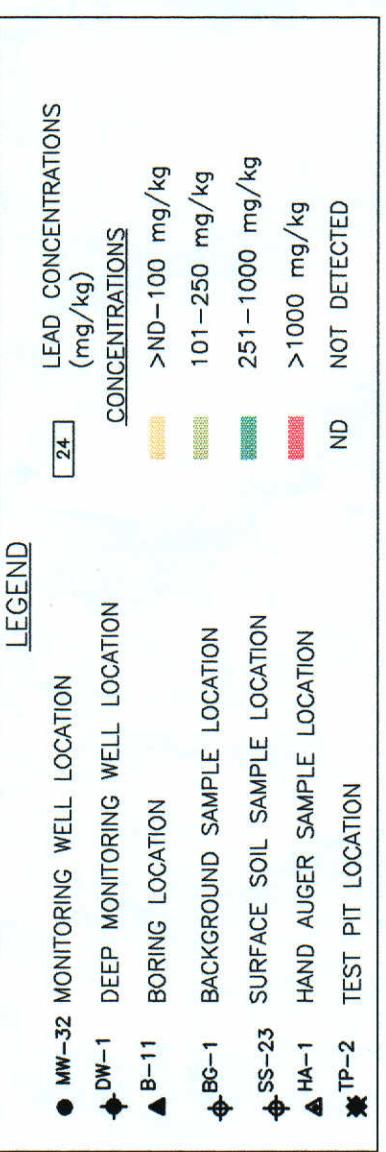
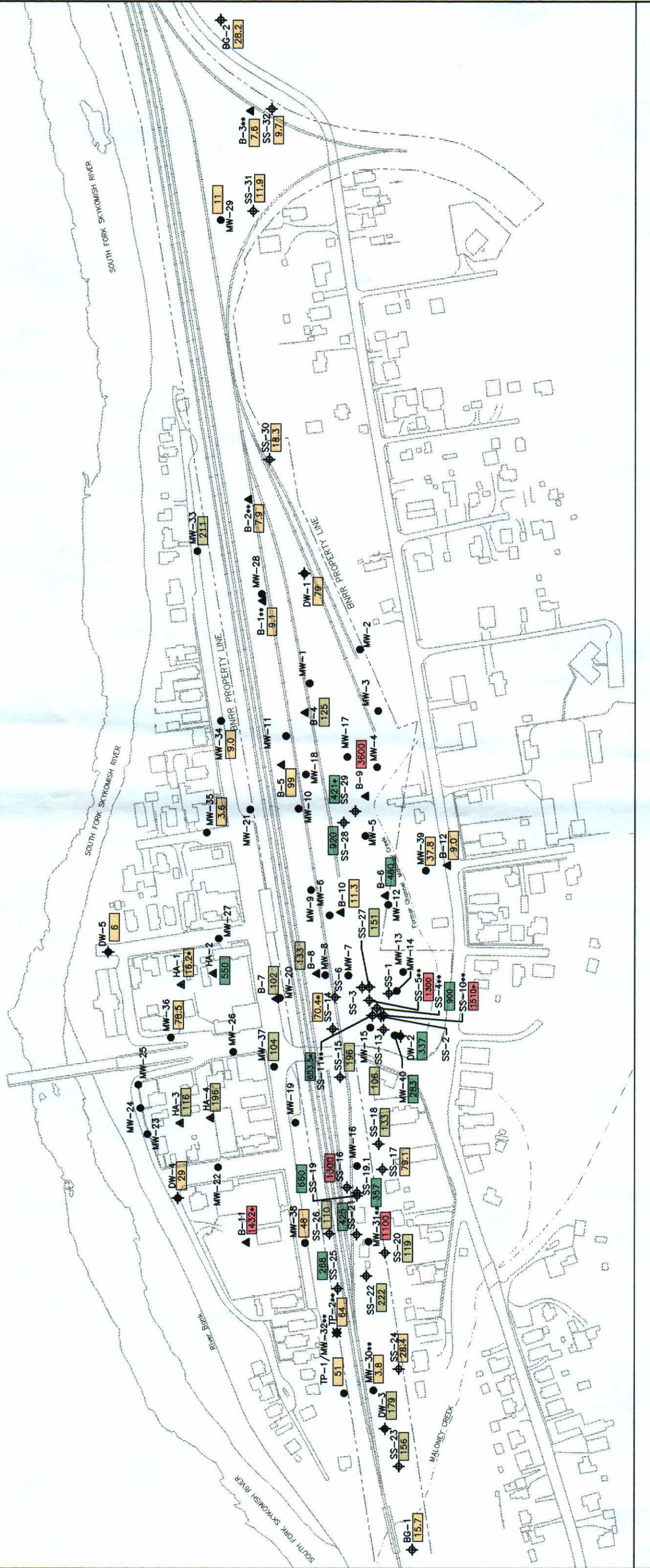
**NOTE:**  
\*\* INDICATES PRE-RI DATA

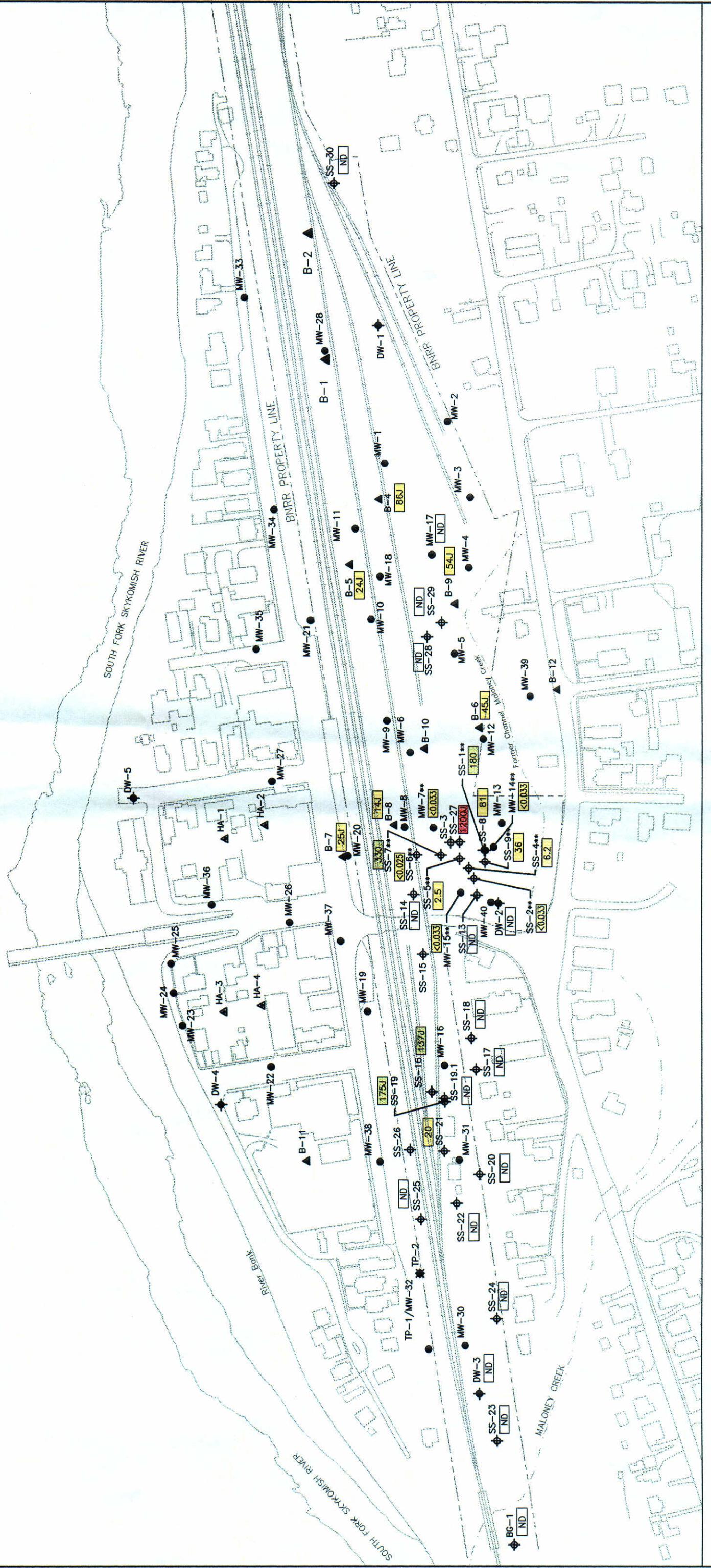


LEGEND		STYRENE CONCENTRATIONS (ug/kg)	STYRENE CONCENTRATIONS (ug/kg)
●	MW-32 MONITORING WELL LOCATION	320	>ND-30 ug/kg
◆	DW-1 DEEP MONITORING WELL LOCATION		31-100 ug/kg
▲	B-11 BORING LOCATION		101-1,000 ug/kg
◆	BG-1 BACKGROUND SAMPLE LOCATION		>1,000 ug/kg
◆	SS-23 SURFACE SOIL SAMPLE LOCATION		ND
▲	HA-1 HAND AUGER SAMPLE LOCATION		NOT DETECTED

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CHART DATE: 2/15/95	CAD FILE: 11615735







NOTES:  
1. \*\* INDICATES PRE-RI DATA.

**LEGEND**

- MW-32 MONITORING WELL LOCATION
- ◆ DW-1 DEEP MONITORING WELL LOCATION
- ▲ B-11 BORING LOCATION
- ◆ BG-1 BACKGROUND SAMPLE LOCATION
- ◆ SS-23 SURFACE SOIL SAMPLE LOCATION
- ▲ HA-1 HAND AUGER SAMPLE LOCATION
- ◆ TP-2 TEST PIT LOCATION

LEGEND		PCB CONCENTRATIONS ( $\mu\text{g}/\text{kg}$ )			
MW-32	MONITORING WELL LOCATION	24	<ND	ND–100	>1000
DW-1	DEEP MONITORING WELL LOCATION			100–1000	>1000
B-11	BORING LOCATION				ND
BG-1	BACKGROUND SAMPLE LOCATION				NOT DETECTED
SS-23	SURFACE SOIL SAMPLE LOCATION				J
HA-1	HAND AUGER SAMPLE LOCATION				
TP-2	TEST PIT LOCATION				

BNRR SKYKOMISH, WASHINGTON

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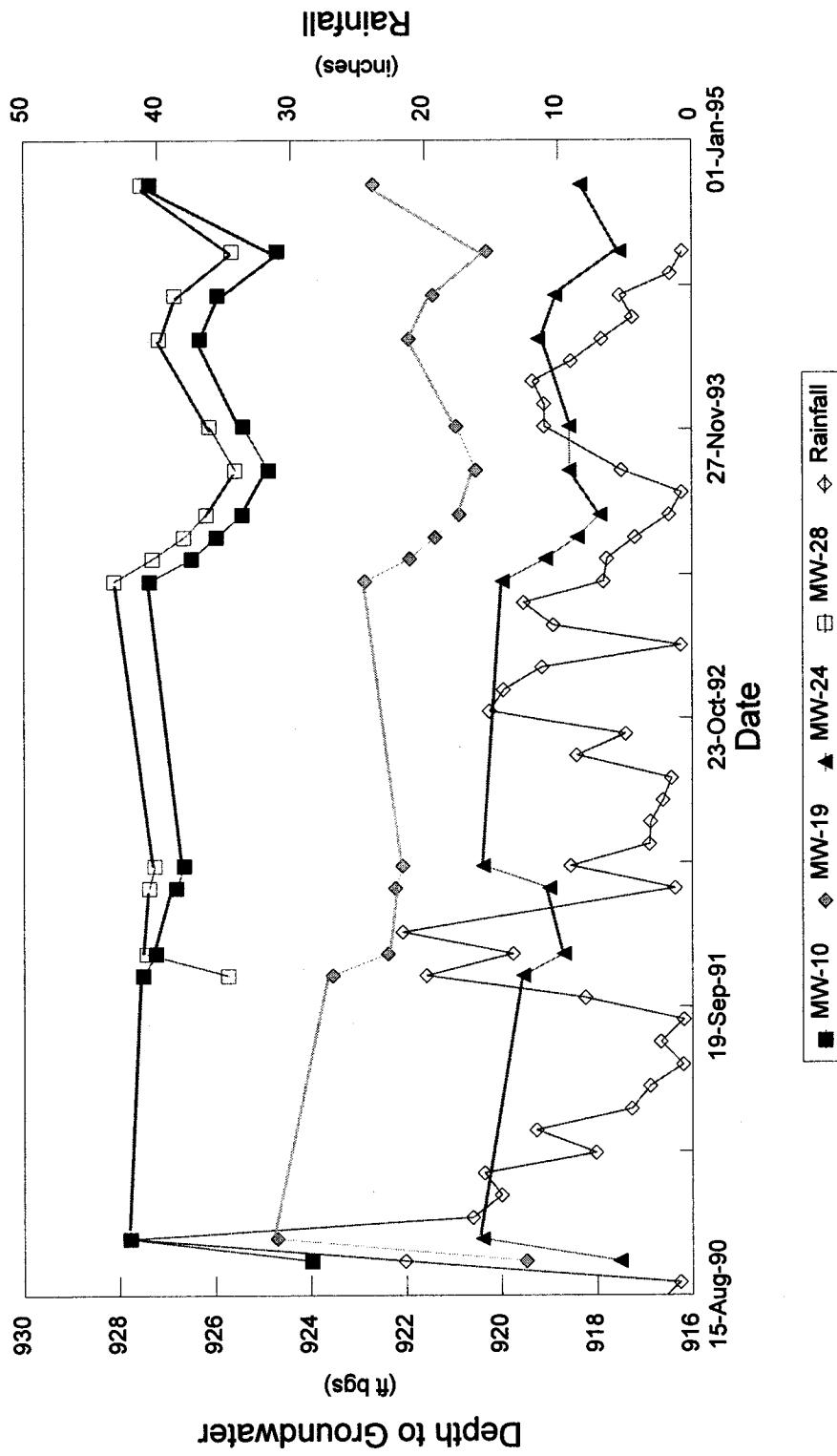
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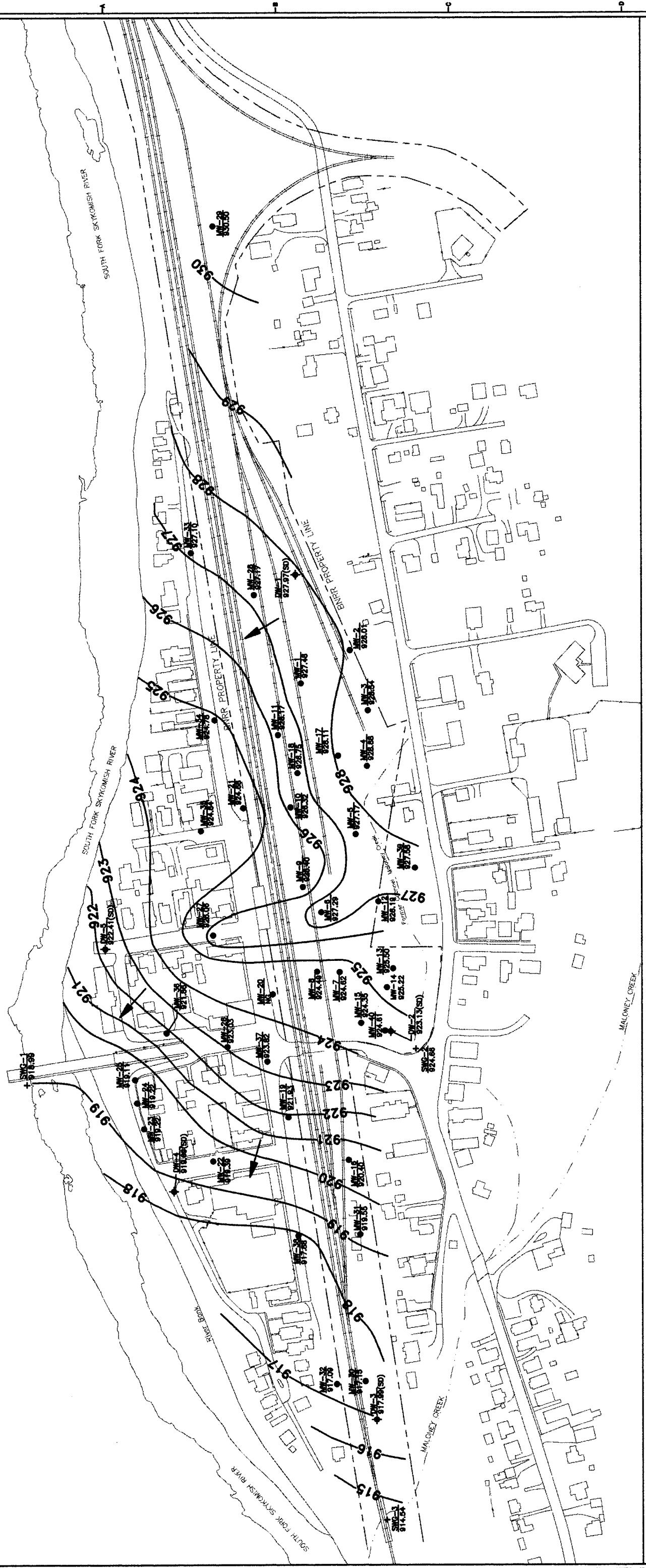
SCALE IN FEET

ANSWER

PCB CONCENTRATIONS IN SURFACE SOIL SAMPLES (ug/kg)
NORTHINGTON

**FIGURE 6-1**  
**HYDROGRAPH AND MONTHLY RAINFALL**





LEGEND

- MW-20 MONITORING WELL LOCATION  
 ◆ DW-1 DEEP MONITORING WELL LOCATION  
 + SWG-1 SURFACE WATER GAUGING LOCATION  
 (SD) WELL SCREENED DEEP-NOT USED  
           FOR DETERMINATION OF CONTOURS  
 NG NOT GAUGED

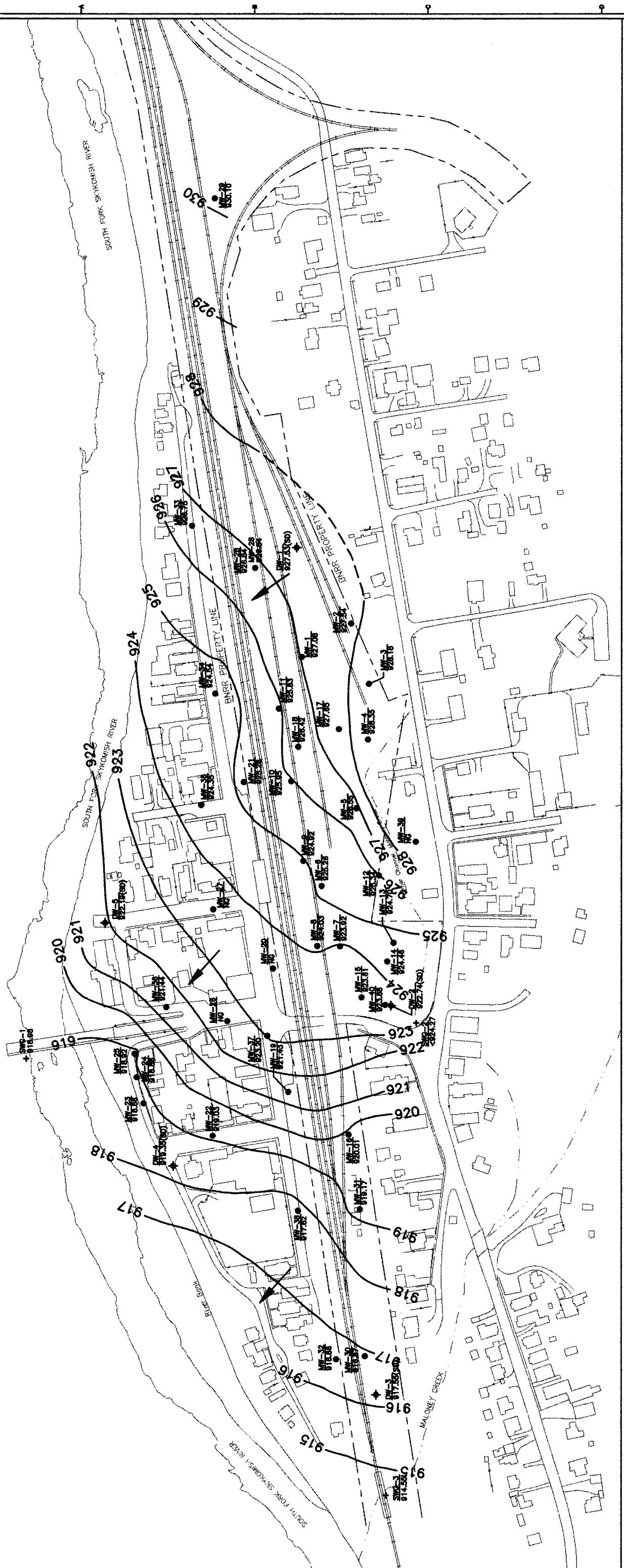
924 ——————>

GROUNDWATER ELEVATION	CONTOUR
GROUNDWATER FLOW	DIRECTION

z

SCALE IN FEET

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REF. NO.	DESCRIPTION	CHG'D DATE	APPROV. DATE
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2	REVISED	DATE	DRAWN BY
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LEGEND

● NW-20 MONITORING WELL LOCATION  
 ◆ DW-1 DEEP MONITORING WELL LOCATION  
 + SWG-1 SURFACE WATER GAUGING LOCATION  
 (SD) WELL SCREENED DEEP--NOT USED FOR DETERMINATION OF CONTOUR  
 NG NOT GAUGED  
 924— GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)  
 GROUNDWATER FLOW DIRECTION

**SCALE IN FEET**

**GROUNDWATER CONTOUR MAP  
JUNE 3, 1994**

**R&B**  
TECHNOLOGIES INC.  
FIGURE 6-3

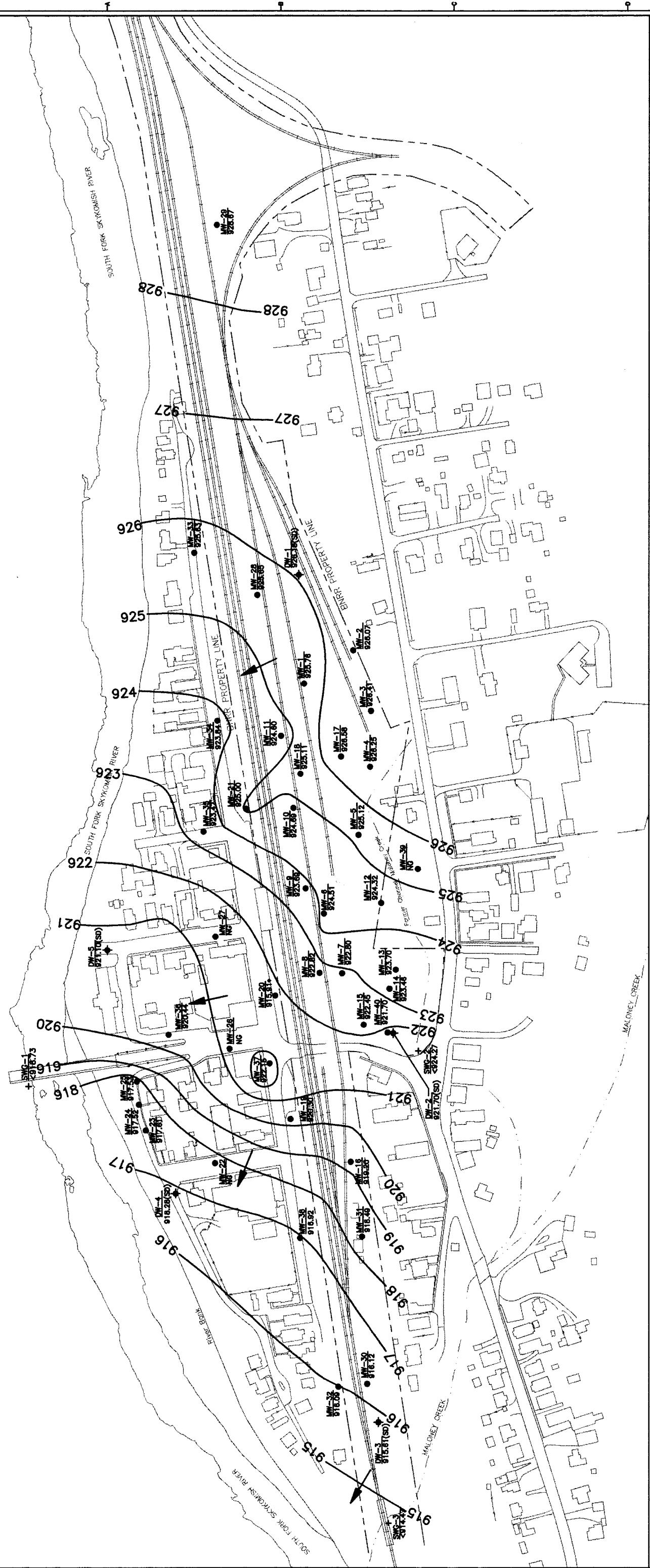
**BNRR SKYKOMISH, WASHINGTON**

3-1161-350

The dwelling house and its outbuildings, including the barn, were built by the Indians, who were descendants of the original inhabitants of the country. It is located in the state of Washington, which is one of the states where the Indians have been granted the right to live on their lands.

**CHAMBER OF COMMERCE**

CHG. NO.	CHG. DATE	ADMB. DATE
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\* WELLS WITH FREE PRODUCT AND ANOMALOUS WATER TABLE DATA.  
\* DATA NOT USED FOR DETERMINATION OF CONTOURS.

### BNRR SKYKOMISH, WASHINGTON

3-1161-320

GROUNDWATER CONTOUR MAP  
AUGUST 1, 1994

RELIABLE  
TECHNOLOGIES INC

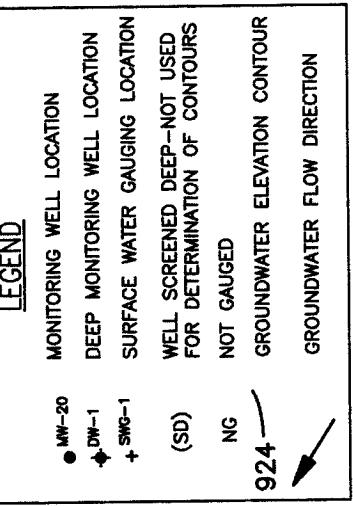
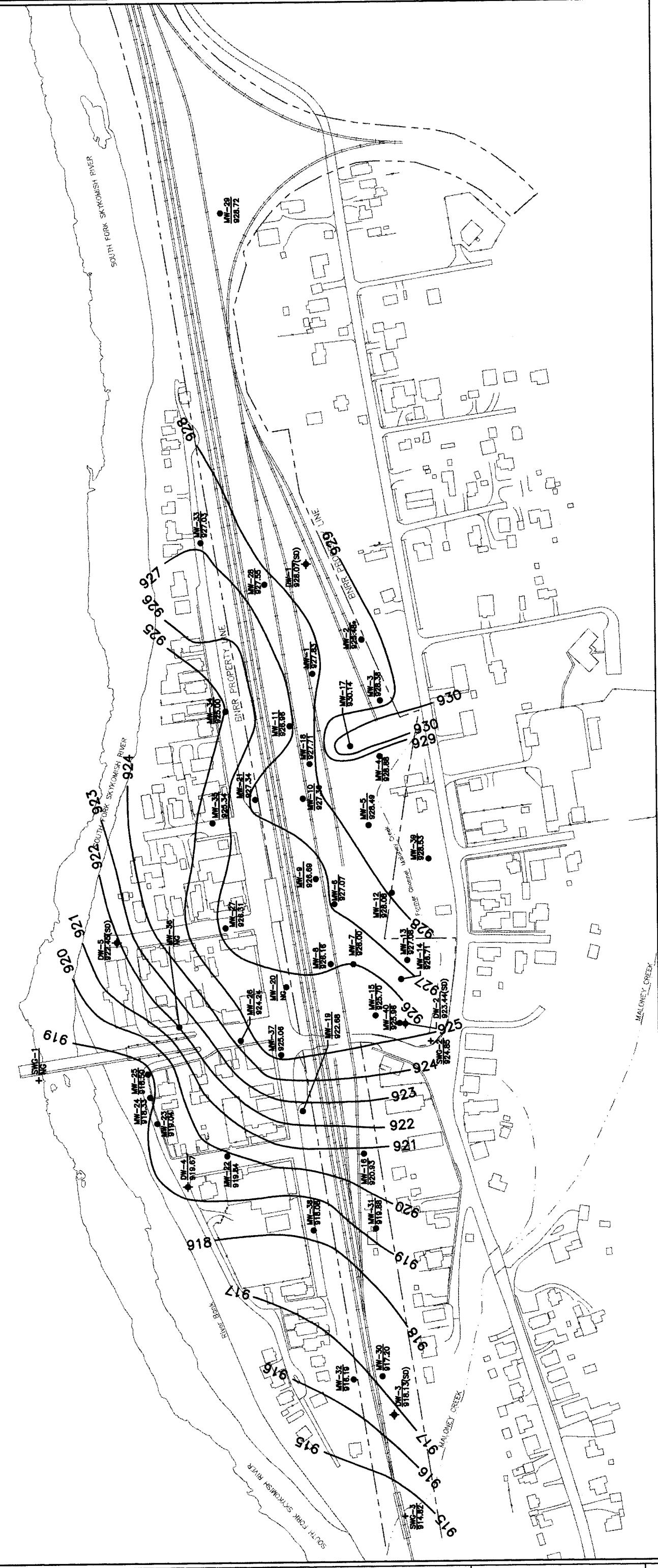
The drawing is not to scale. It is a sketch of a portion of a larger area. It is not to be used for surveying or engineering purposes.

CAD FILE #1103555

CURRENT DATE: 12/16/95

FIGURE 6-4

FIGURE 6-4



GROUNDWATER CONTOUR MAP  
NOVEMBER 7, 1994

**BNR SKYKOMISH, WASHINGTON**

3-1161-350

The drawing is part of a series of drawings of the same area, each showing a different set of data. This drawing contains data from November 7, 1994.

CURRENT DATE 12/16/95

FILE # 1161350

SCALE IN FEET



\* WELLS WITH FREE PRODUCT AND ANOMALOUS WATER TABLE DATA.  
\* DATA NOT USED FOR DETERMINATION OF CONTOURS.

REFERENCE DRILLING DESCRIPTION	NO.	DRILLING DATE	APPROVED DATE	CHNG DATE
	6			
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	1			
	0	E.F.	2/16/95	INITIAL ISSUE
				REVISION



APRIL 1994  
TOTAL PETROLEUM HYDROCARBON  
CONCENTRATIONS IN GROUNDWATER  
(mg/L)

**BINR SKYKOMISH, WASHINGTON**

3-1161-350

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CAD FILE: 1161350.SWS

CURRENT DATE: 2/19/95

REVISION DATE: 2/19/95

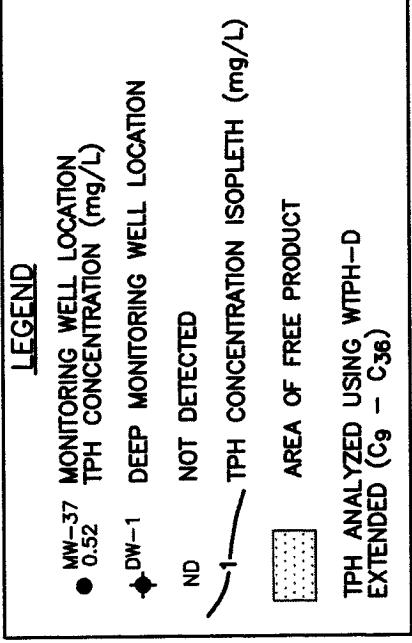
APP'D DATE:

CHG'D DATE:

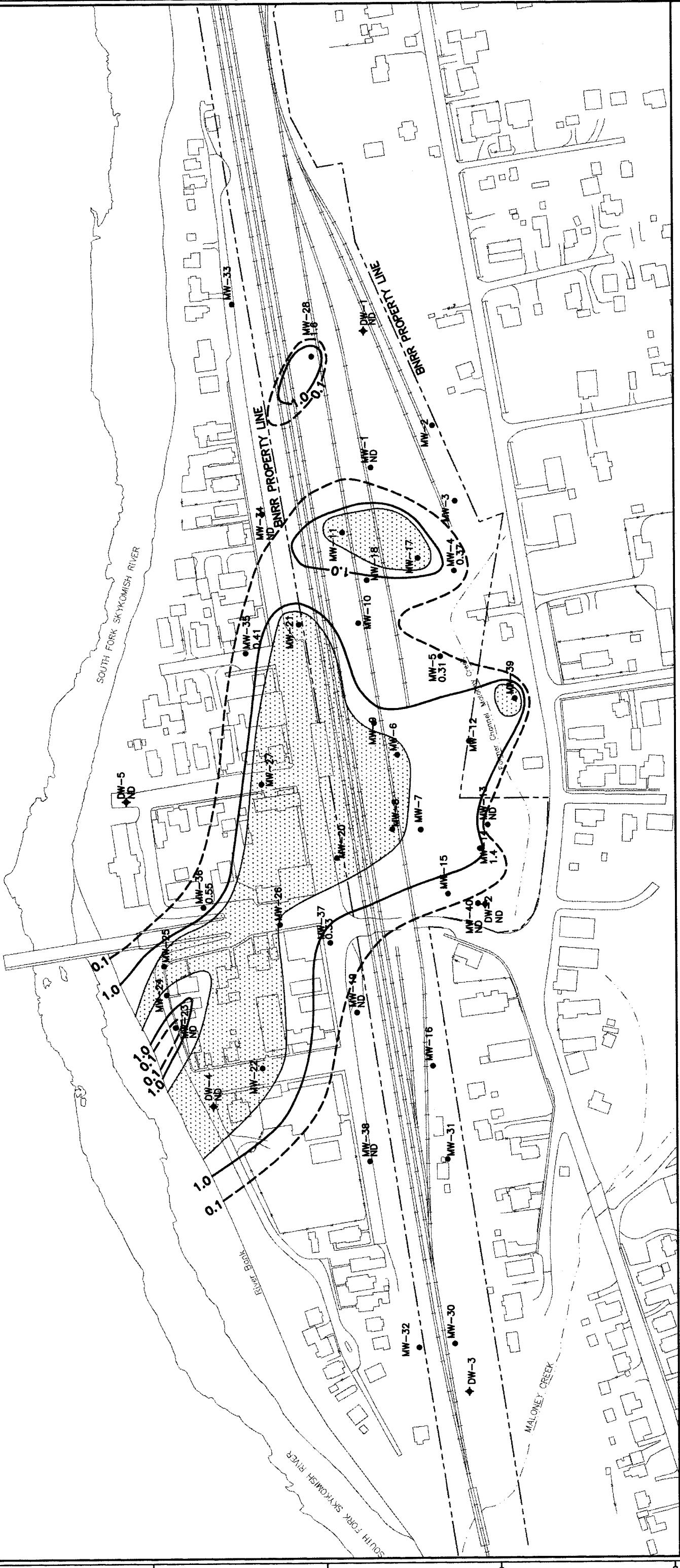
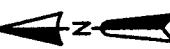
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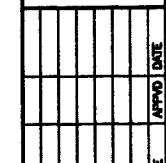
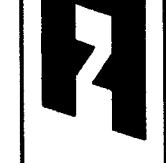
REVISION NO.:

DESCRIPTION:



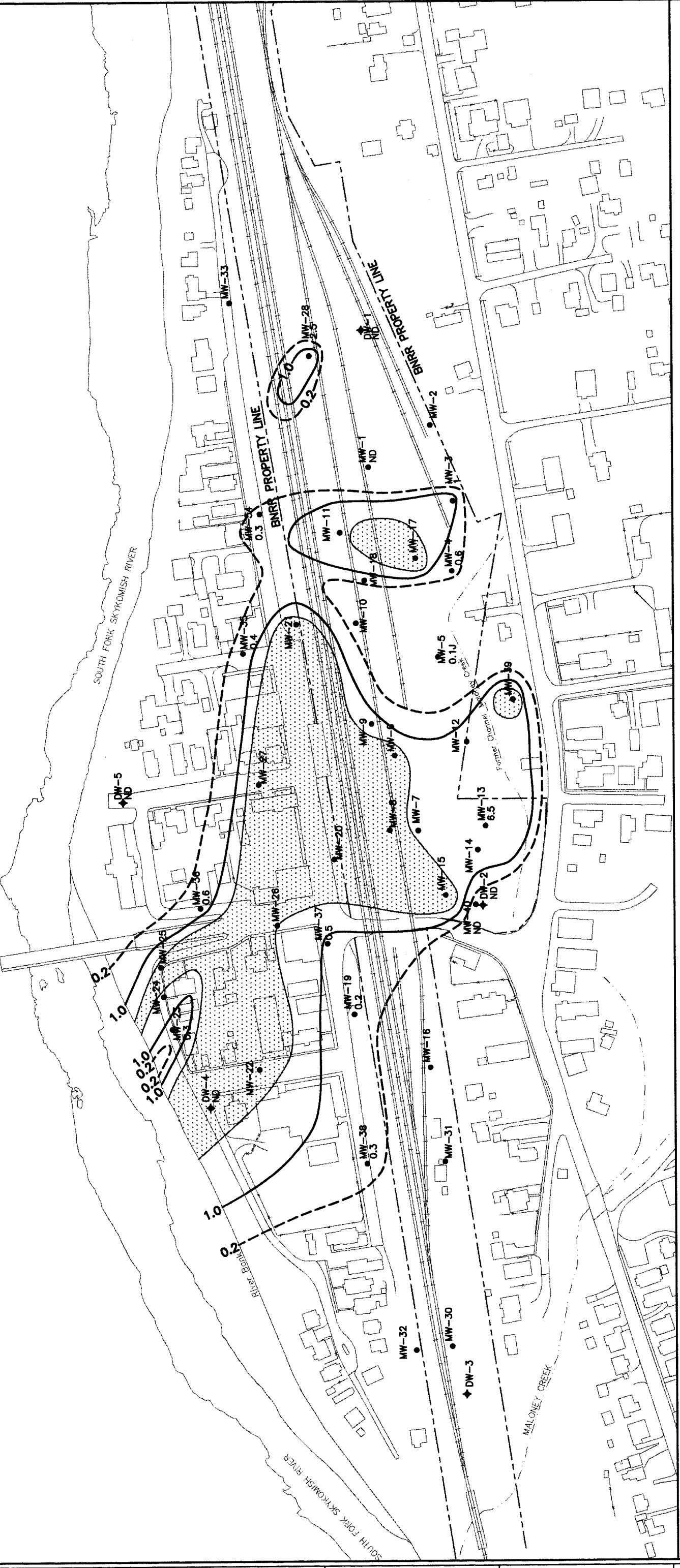
0 100 200 300 400  
SCALE IN FEET





**LEGEND**

- MW-37 MONITORING WELL LOCATION
- 0.52 TPH CONCENTRATION (mg/L)
- DW-1 DEEP MONITORING WELL LOCATION
- ND NOT DETECTED
- TPH CONCENTRATION ISOPLETH (mg/L)
- AREA OF FREE PRODUCT
- TPH ANALYZED USING WTPH-D EXTENDED (C<sub>9</sub> – C<sub>36</sub>)



REF ID	DESCRIPTION
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2	E.F. 2/10/95 REVISED CONTOURS
1	D.W. 2/0/95 UPDATED CONTOUR
0	E.F. 1/27/95 INITIAL ISSUE
NO DRINK DATE	CRD DATE APPRO DATE

NOVEMBER 1994  
TOTAL PETROLEUM HYDROCARBON  
CONCENTRATIONS IN GROUNDWATER  
(mg/L)

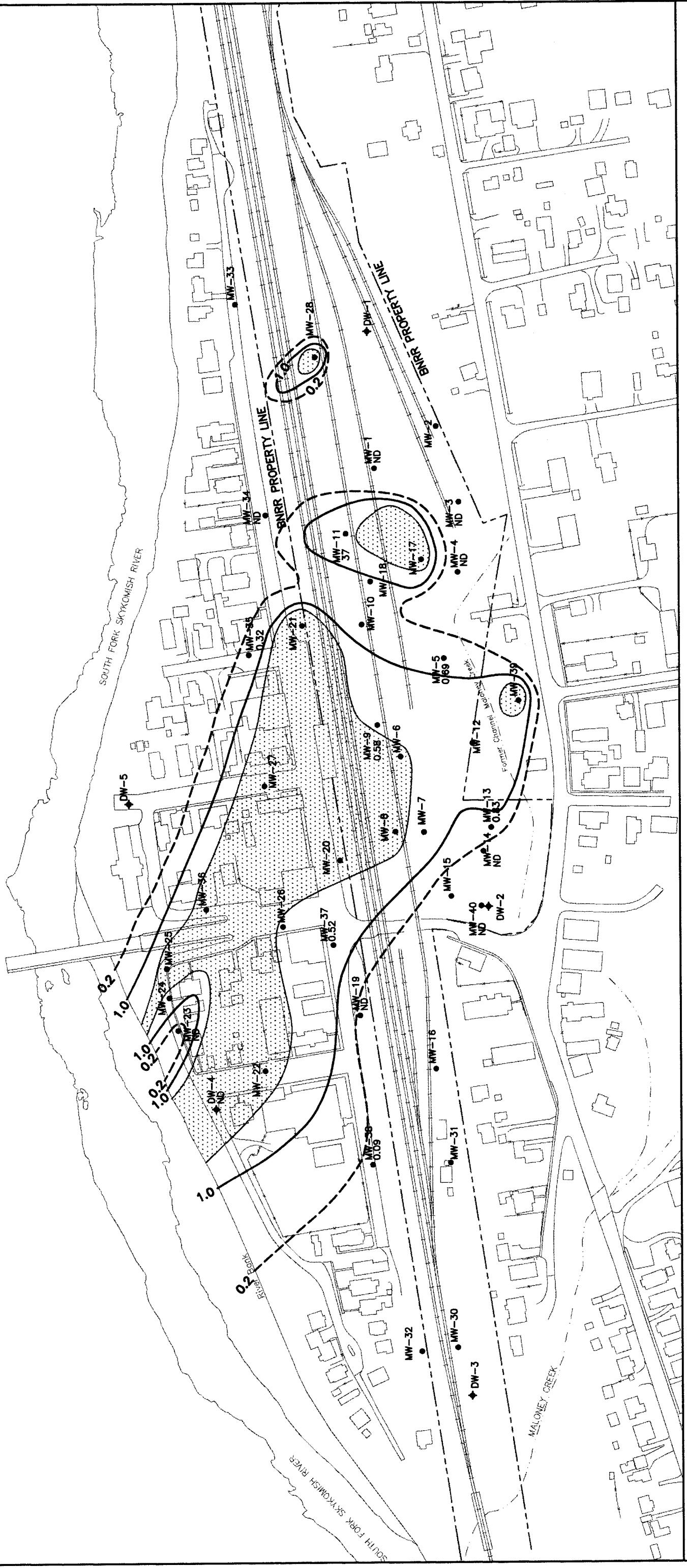
BNRR SKYKOMISH, WASHINGTON

3-1161-350

The drawing is for information purposes only and is not to be used for construction.

FILE # 1161350

CURRENT DATE 12/16/95



**LEGEND**

- MW-37 MONITORING WELL LOCATION
- 0.52 TPH CONCENTRATION (mg/L)
- DW-1 DEEP MONITORING WELL LOCATION
- ND NOT DETECTED
- TPH CONCENTRATION ISOPLETH (mg/L)
- AREA OF FREE PRODUCT
- 1 TPH ANALYZED USING WTPH-D EXTENDED (C<sub>9</sub> – C<sub>36</sub>)

0 100 200 400  
SCALE IN FEET

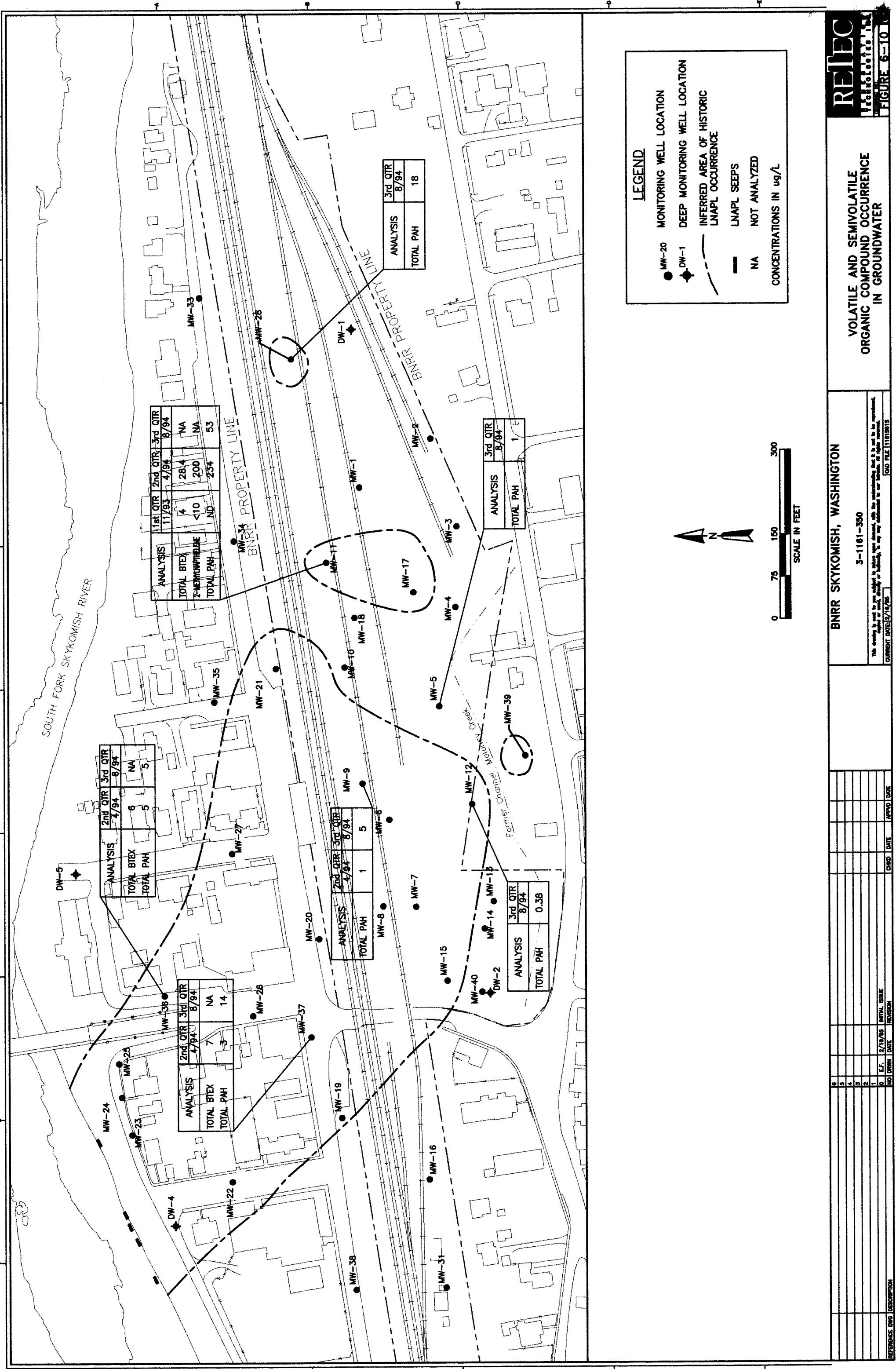


BNRR



SKAGIT RIVER

REFERENCE DRAWING DESCRIPTION





PROJECT DATA		MAP INFORMATION		DRAWING NUMBER	
ITEM	DESCRIPTION	ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	EF. 2/19/96	2	INITIAL ISSUE	3	NO DRAWN DATE
2	REV. 1	4	REVISION	5	CHND DATE
3	5	APPROV. DATE	6	FIGURE 6-11	FIGURE 6-11
4	6				

DXF FILE 11615725

CURRENT DATE 2/19/96

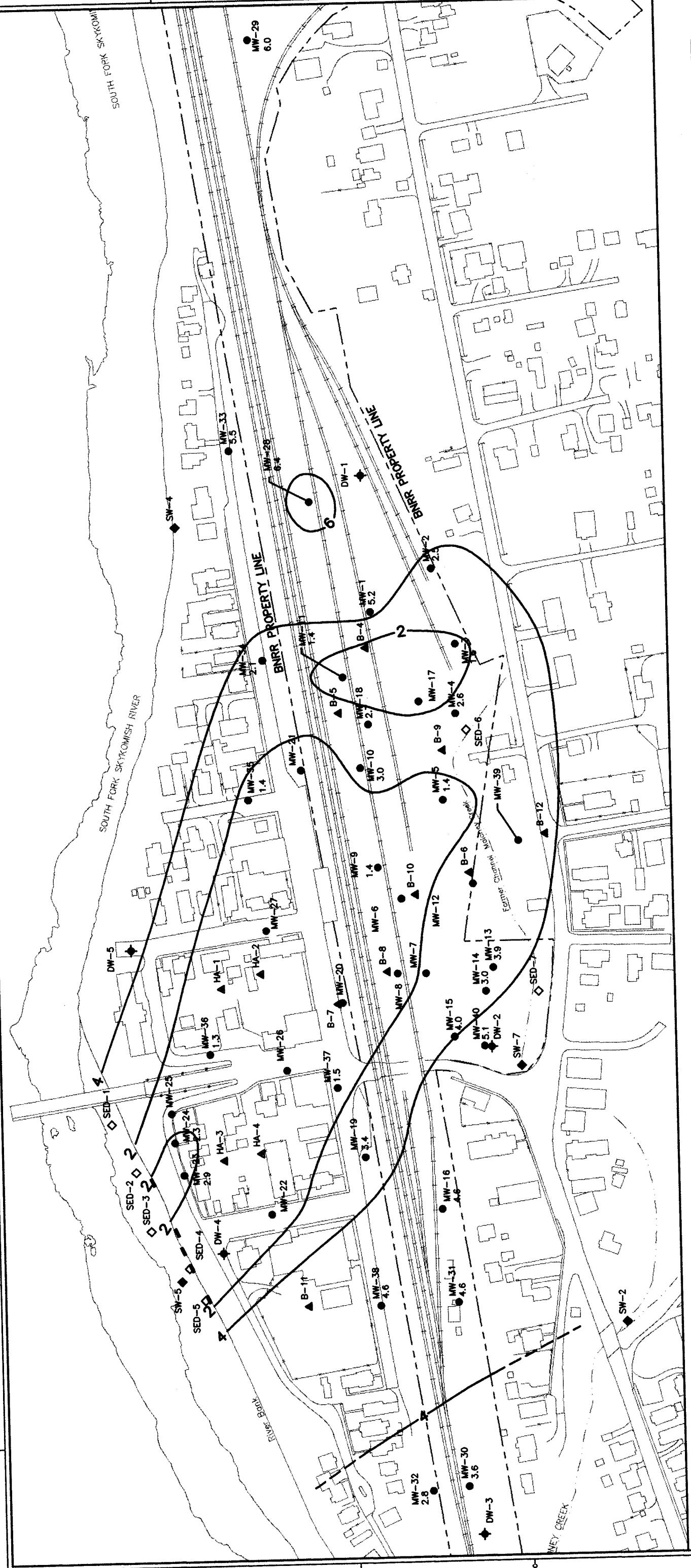
SCALE IN FEET

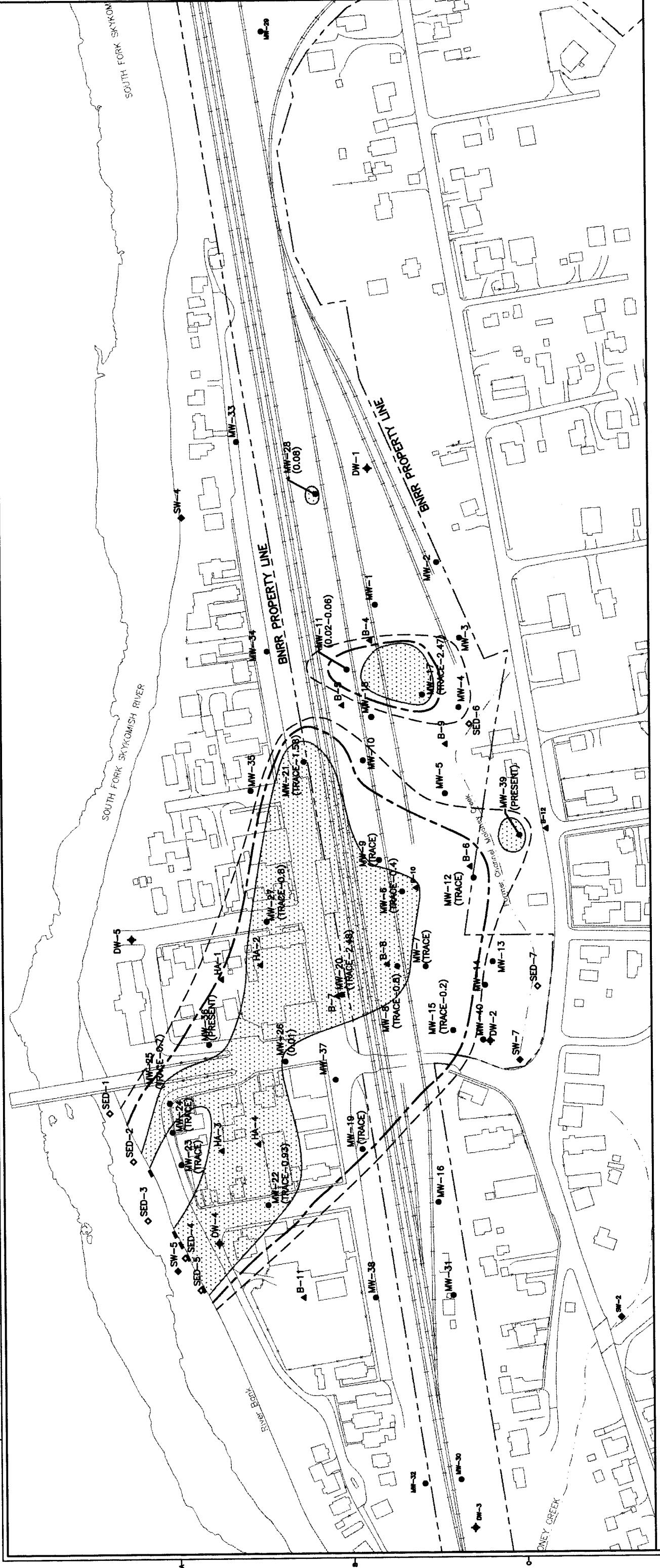
0 75 150 300



**LEGEND**

- MW-14 MONITORING WELL LOCATION
- 3.0 DISSOLVED OXYGEN CONCENTRATION
- DW-1 DEEP MONITORING WELL LOCATION
- ◆ SED-1 SEDIMENT SAMPLE LOCATION
- ▲ HA-1 HAND AUGER SAMPLE LOCATION
- ▼ B-10 BORING LOCATION
- UNAPL SEEPS





LEGEND	
● MW-20 (TRACE-0.02)	MONITORING WELL LOCATION HISTORIC RANGE OF LNAPL THICKNESS (FT)
◆ DW-1	DEEP MONITORING WELL LOCATION
◇ SED-1	SEDIMENT SAMPLE LOCATION
▲ HA-1	HAND AUGER SAMPLE LOCATION
▲ B-10	BORING LOCATION
—	LNAPL SEEPS
— — —	AREA OF RESIDUAL LNAPL
— - -	AREA OF HISTORIC FREE-PHASE LNAPL OCCURRENCE
■	AREA OF CONSISTENT FREE-PHASE LNAPL OCCURRENCE
◆	INDICATES PRODUCT PRESENT AS DROPLETS OR SHEEN BUT NOT MEASURABLE THICKNESS.
▲	INDICATES PRODUCT WAS PRESENT BUT THICKNESS WAS NOT RECORDED.
—	TRACE
—	PRESENT

BNRR SKYKOMISH, WASHINGTON			
3-1161-510			
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CURRENT DATE: 2/28/05 CAD FILE: 11615315			
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EF.	2/28/05	INITIAL ISSUE	
NO DRWNR		REVISION	
DESCRIPTION: THIS IS A FLOOR PLAN			

3-1161-350

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CAD FILE: 11615765

CURRENT DATE: 2/15/95

APPROVED DATE:

CHKD DATE:

NO. DRNIN DATE:

E.F. 2/15/95 INITIAL ISSUE

REVISION

REFERENCE DRG. DESCRIPTION



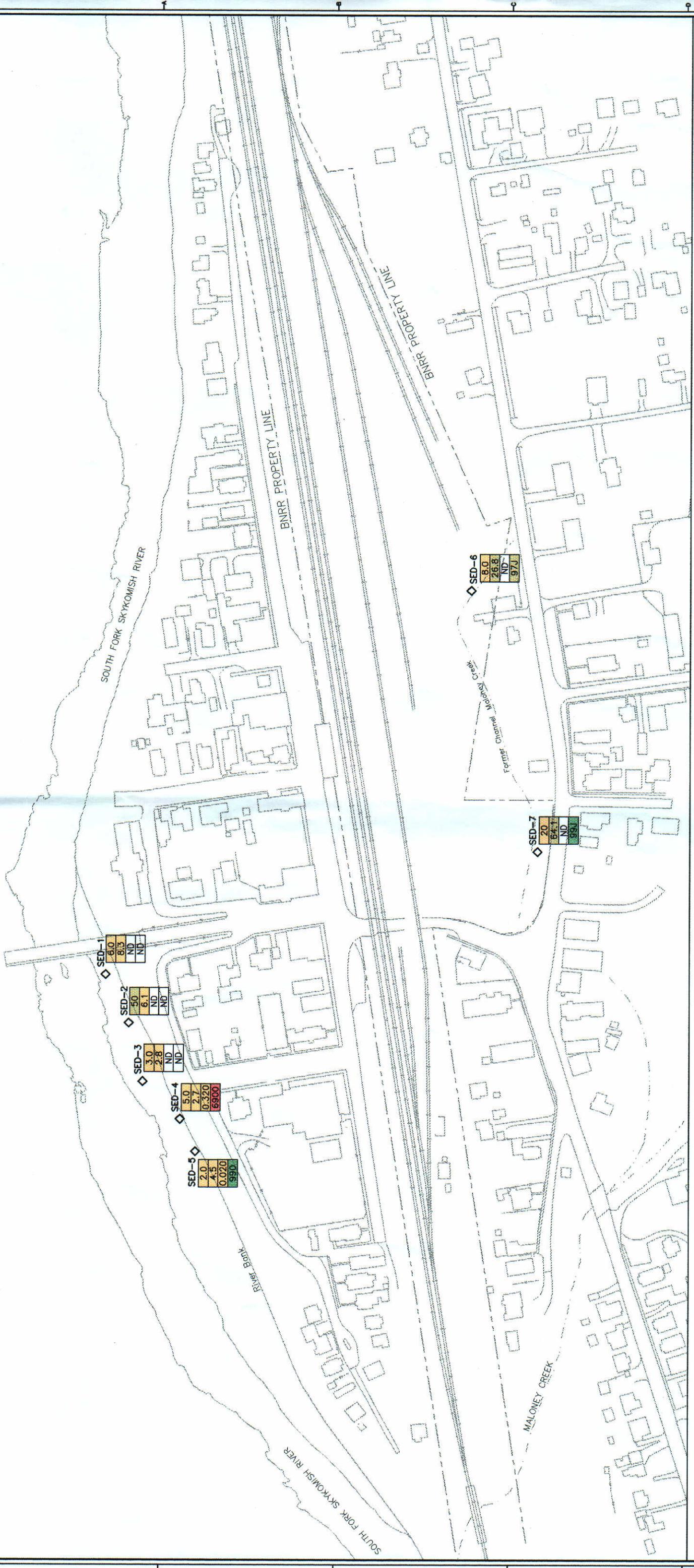
CONSTITUENT CONCENTRATIONS  
IN SEDIMENT SAMPLES (mg/kg)

LEGEND	
SED-1	SEDIMENT SAMPLING LOCATION
◆	CONCENTRATIONS
	>ND-20 mg/kg
	21-100 mg/kg
	101-1,000 mg/kg
	>1,000 mg/kg
5.0	ARSENIC
2.7	LEAD
0.320	STYRENE
6900	TPH-418.1
ND	NOT DETECTED
J	INDICATES ESTIMATED VALUE

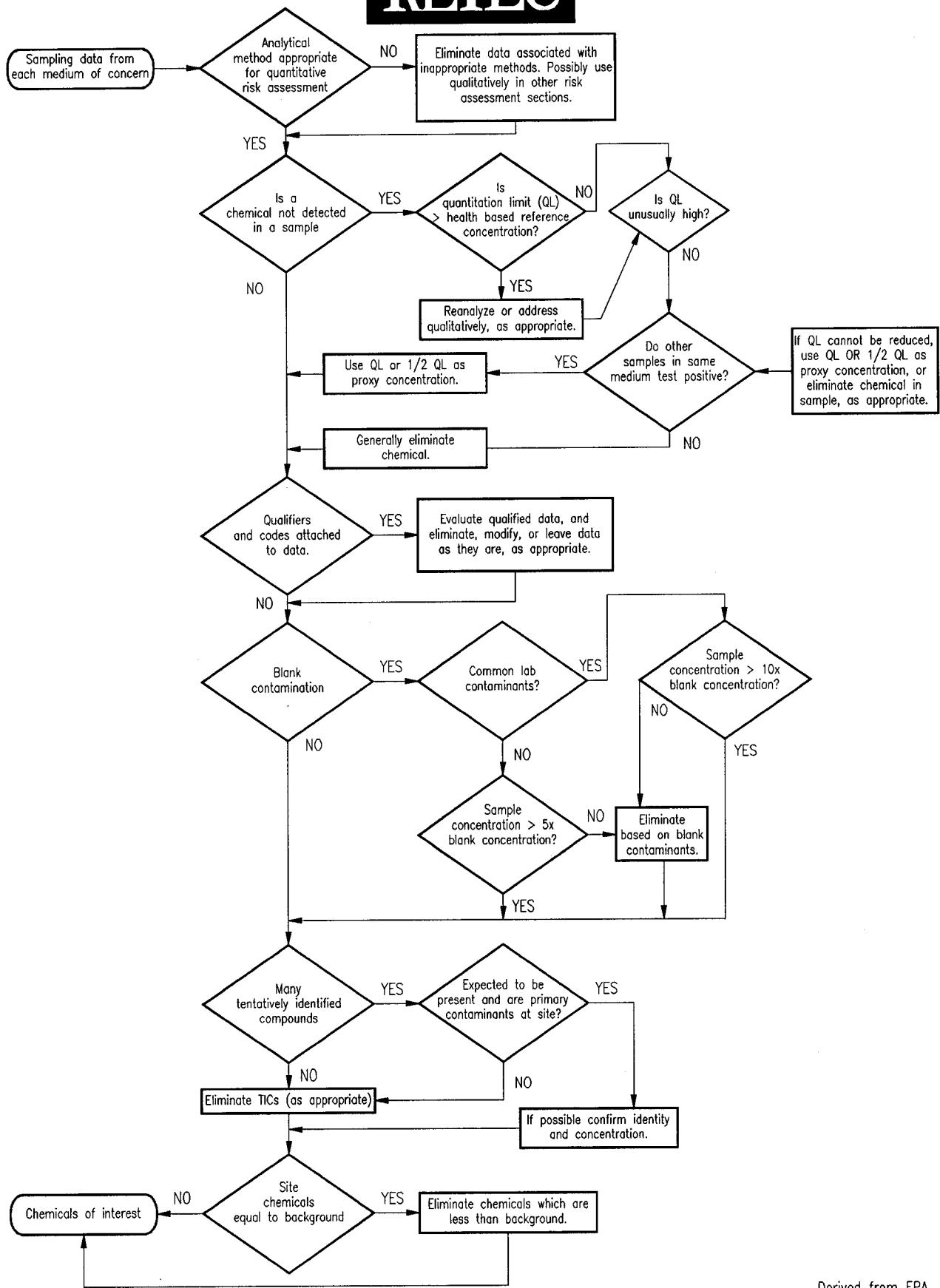
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0 100 200 300 400



BNRR SKYKOMISH, WASHINGTON





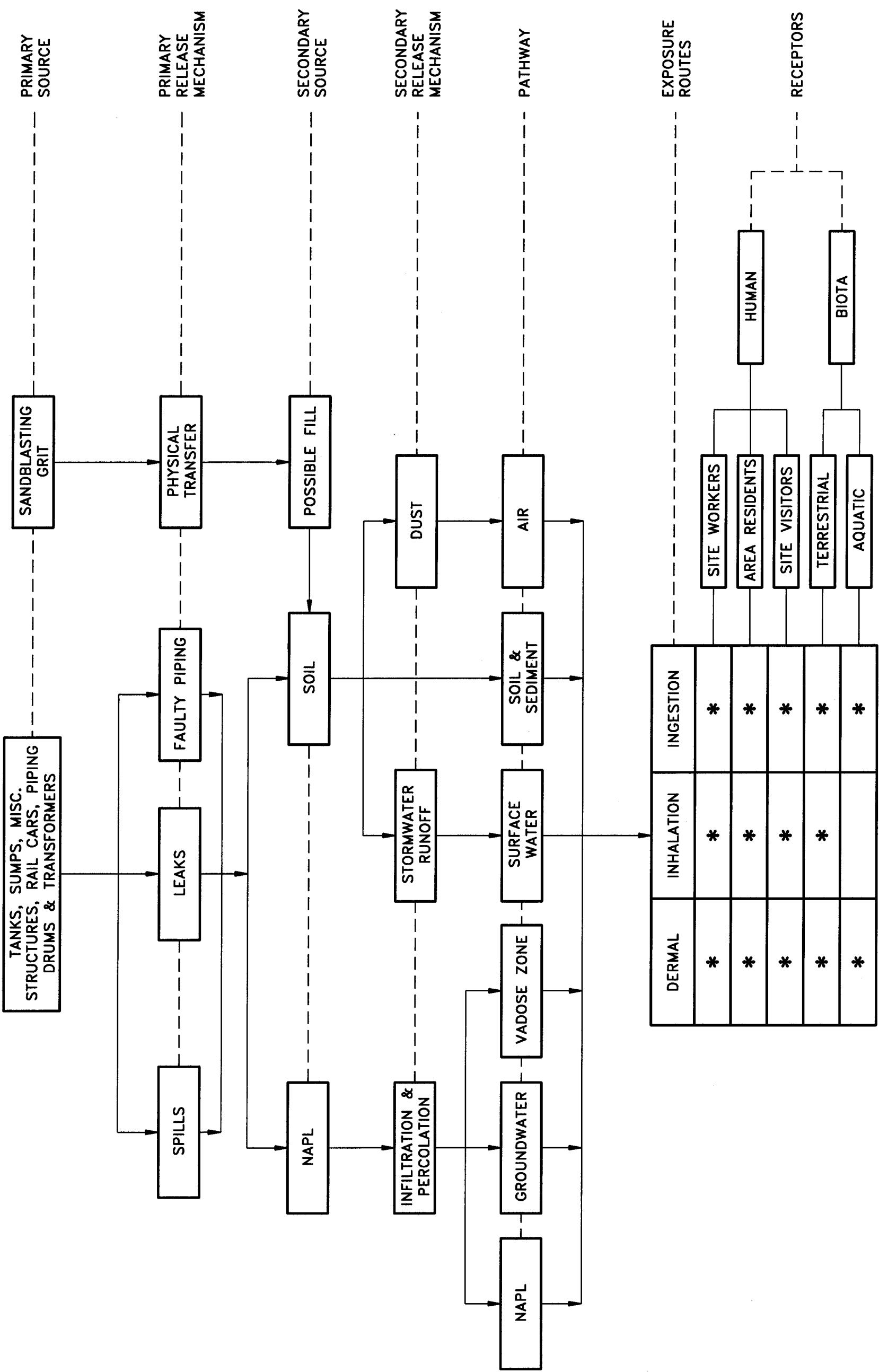


DATA-PRO.DWG

Derived from EPA, 1989a.

## DATA EVALUATION PROCESS

FIGURE  
11-1



BNR SKYKOMISH, WASHINGTON

3-1161-350

CONCEPTUAL SITE MODEL

REFLEX

REFLEX TECHNOLOGIES, INC.  
DRAWING NO. REV. B  
FIGURE 11-2

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CURRENT DATE: 12/09/95

CD FILE: 1161S885

CHKD DATE APR'D DATE

NO DRAWN DATE REVISION

REFERENCE Dwg. DESCRIPTION

